5194

Continental Heat Treating PRELIMINARY ASSESSMENT 5/31/01

REGION 9 SUPERFUND SITE ASSESSMENT PROGRAM ROUTING SLIP FOR STATE AND CONTRACTOR REPORTS		
NAME/MAIL CODE	INITIALS	DATE
SITE ASSESSMENT MANAGER (SFD-5) Please mark the contents in the package: _____ Site Screening Form __✓__ Site Assessment Report __✓__ HRS Scoresheets and Rationale __✓__ EPA Potential Hazardous Waste Site PA Form _____ Archive Memo to File _____ Sample Plan and Analytical Results		
Document Screening Coord.: Joan Simmons (SFD-5)	JS	8/2/01
Section Chief: Betsy (SF	BC	8/27
Document Screening Coord.: Joan Simmons (SF letter	JS	8/29/01
ISSI: (SFD-2)	SA	9/20/01
Document Screening Coord.: Joan Simmons (SFD-5)	JS	9/20
Supe[illegible] Cente[illegible]	BC	9/20/01

5194

PA REPORT CHECKLIST

Site Name: Continental Heat Treating EPA ID#: CAD053858296

- [x] 1. Cover Memorandum to EPA
- [x] 2. Transmittal List
- [x] 3. HRS Scoresheet Packet, including Rationale
- [x] 4. PA Report, which includes a Site Location Map and Site Layout Map
- [x] 5. EPA Region 9 Remedial Site Assessment Decision Form
- [x] 6. Appendix A, Reference List
- [x] 7. Appendix B, Photographic Documentation
- [x] 8. Appendix C, Contact Log
- [x] 9. Appendix D, Contact Reports
- [x] 10. Appendix E, Site Reconnaissance Interview and Observation Report
- [x] 11. EPA Potential Hazardous Waste Site Preliminary Assessment Form
- [x] 12. Latitude and Longitude Calculations Worksheet
- [x] 13. References (refer to *Guidelines for References*, Copying Referenced Materials, in Section 30 of the *Reference Handbook for the Site Assessment Project*)
- [ ] 14. EPA CERCLA Eligibility Questionnaire (not submitted to EPA - stays in State/contractor files)

Review conducted by: L Hamrin 8-2-01

5194

COMPONENTS OF A FULL PA REPORT (Checklist)
(SITE SCORES < 28.5 AT THE PA STAGE)

√ 1) Cover Memorandum to EPA

√ 2) Transmittal List

√ 3) HRS Scoresheet Packet, including Rationale

4) PA Report (full version), which includes a Site Location Map and Site Layout Map

√ 5) EPA Region IX Remedial Site Assessment Decision Form

√ 6) Appendix A, Reference List

√ 7) Appendix B, Photographic Documentation

√ 8) Appendix C, Contact Log

√ 9) Appendix D, Contact Reports

√ 10) Appendix E, Site Reconnaissance Interview and Observation Report

√ 11) EPA Potential Hazardous Waste Site Preliminary Assessment Form

√ 12) Latitude and Longitude Calculations Worksheet

√ 13) References

5/94

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

August 28, 2001

Mr. James G. Stull, President
Continental Heat Treating
10643 South Norwalk Blvd.
Santa Fe Springs, CA 90670

RE: Continental Heat Treating
EPA ID#CAD053858296

Dear Mr. Stull:

Enclosed is a Preliminary Assessment of the Continental Heat Treating site. This report contains the results of an evaluation conducted by the State of California Department of Toxic Substances Control for the U.S. Environmental Protection Agency (EPA) under Section 104 of the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended [42 U.S.C. 9404], commonly known as Superfund. The purpose of the Preliminary Assessment is to determine whether this site may qualify for placement on the National Priorities List (NPL) or Superfund list. The enclosed fact sheet provides further explanation of the Superfund site assessment process

Based on currently available information contained in the enclosed report, EPA has determined that further assessment is warranted. The enclosed Preliminary Assessment indicates that contamination at this site may warrant federal response, and that further assessment is needed. The next phase of the assessment process is a Site Inspection. The Site Inspection is a more extensive study and typically involves the collection of soil, water, air and/or waste sampling. EPA will contact you prior to any on-site inspection and sampling.

Please forward any written comments on the enclosed report to:

Jerelean Johnson
U.S. Environmental Proection Agency
75 Hawthorne Street - SFD-5
San Francisco, CA 94105

If you have any questions, please call Jerelean Johnson at 415/744-2345.

Sincerely,

Betsy Curnow

Betsy Curnow, Chief
States, Tribes & Assessment Office
Superfund Division

Enclosure

cc: Sara Amir, Department of Toxic Substances Control

5194

Memorandum

To: Rachel Loftin
Subject: Completed Work
Date: May 31, 2001
cc:

Attached is the following completed document:

PA __X____ SI _____ Other _____

Site Name: Continental Heat Treating

EPA ID: CAD 053858296

City, County, State: Santa Fe Springs, Los Angeles, California

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For EPA Use Only

Latitude: _____ Longitude: _____

CERCLIS Data Changes: PA-1 Complete

EPA Decision: "H"

Archive Site: _____yes ✓ no
If yes, is another program involved? _____yes _____ no
Other program(s): _____

Lead Agency: S

Approval by Site Assessment Manager: RW Loftin

Sign-Off Date: 6-27-01

Document Screening Coordinator: J Timmons 8/2/01

Chief, States, ~~Planning~~ Tribes, and Assessment Office: Kathy Cannon 8/27/01

5194

Preliminary Assessment

Site Name: Continental Heat Treating
10643 South Norwalk Blvd.
Santa Fe Springs, California 90670

EPA ID#: CAD 053858296

Report Date: 9 May ~~June~~ 31, 2001

Submitted to: Rachel Loftin, USEPA Project Officer
State Project Officer
US EPA, Region IX, Superfund Program

Prepared by: Lori Parnass, Project Manager
California Environmental Protection Agency,
Department of Toxic Substances Control

Review & Concurrence: Rita Kamat, DTSC Unit Chief

1.0 INTRODUCTION

The U.S. Environmental Protection Agency (USEPA), Region IX, under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), has tasked California Department of Toxic Substances Control (DTSC) to conduct a preliminary assessment (PA) of the Continental Heat Treating (CHT) in the City of Santa Fe Springs, County of Los Angeles, State of California.

The purpose of the PA is to review existing information on the Site and its environs to assess the threat(s), if any, posed to public health, welfare, or the environment and to determine if further investigation under CERCLA/SARA is warranted. The scope of the PA includes the review of information available from federal, state, and local agencies and performance of an on-site reconnaissance visit.

Using these sources of existing information, the Site is then evaluated using the EPA's Hazard Ranking System (HRS) criteria to assess the relative threat associated with actual or potential releases of hazardous substances at the Site. The HRS has been adopted by the EPA to help set priorities for further evaluation and eventual remedial action at hazardous waste sites. The HRS is the primary method of determining a site's eligibility for placement on the National Priorities List (NPL). The NPL identifies sites at which the EPA may conduct remedial response actions. This report summarises the findings of these preliminary investigative activities. This report summarises the findings of these preliminary investigative activities.

CHT was identified as a potential hazardous waste site and entered into the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) on May 1, 1998 (CAD 053858296). (1)

1.1 Apparent Problem

The apparent problems at the site are as follows:

- CHT used solvents in a degreasing unit from 1986 to 1995. The unit was located in the center of CHT operations. Sampling results, adjacent to the degreaser, detected volatile organic compounds (VOCs) in soil and soil vapor from surface to sixty feet below ground surface (bgs) and approximately forty-eight feet in diameter. No vapor has been removed. (3, 9, 10, 11)

- VOC contamination has been detected along the northwest facility boundary, greater than 150 feet outside the CHT operations area. (9)

- The Mobil-Jalk/Fee property is located immediately adjacent to the north and northwest of CHT. VOC contamination in the soil has been detected in percentage concentrations. Groundwater samples detected tetrachloroethylene (PCE) as high as 2,200 μg/kg and trichloroethylene (TCE) as high as 180 μg/kg (the maximum contamination limit (MCL) for each of these substances is 5 μg/kg.). (29)

- Groundwater is approximately 65' below ground surface (bgs) and regionally flows in a southerly direction. (6)

2.0 SITE DESCRIPTION

2.1 Location

CHT is located at 10643 Norwalk Boulevard, Santa Fe Springs, California. The geographic coordinates for the site are 33° 56' 09.0" North latitude and 118° 04' 28.0" West longitude (Township 3 South, Range 11 West, Section 6, San Bernardino Baseline and Meridian (SBM), USGS, Whittier Quadrangle, 7.5-minute Series, 1974). (7) The location of the site is shown in Figure 1.

2.2 Site Description

CHT occupies approximately 1.5 acres in an industrial area. It is located in the southwest portion of the Santa Fe Springs oil field, which is an active oil field, is bordered on the north by Mobil-Jalk/Fee, on the west and south by the Hathaway Properties and on the east by Norwalk Boulevard. (3)

CHT currently consists of a single building which houses the heat treating operations, plating line, and office. A hazardous materials storage area lies in the southwest corner of the property. (3) The layout for this site is shown in Figure 2 and sample locations are noted on Figure 3.

2.3 Operational History

Prior to 1969, site owners/operations are unknown. In 1969, Mr. Stall, Sr. and Tower Industries began operating as a heat treating facility. In 1986, Mr. Stall, Jr. bought the business changed the name and ownership but maintained operating as a heat treating facility. CHT currently leases the property from the Northern Trust Bank and Mr. Benjamin Hathaway. Ana Hathaway Trust is the landowner. (3)

CHT processes metal parts with heat to perform carbon nitriding and nitriding on the surface of the metal. Current identified waste streams are waste quench oil, oil contaminated waste, sludge containing copper and spent alkaline cleaning solution. (27)

From 1986 to 1995, CHT housed a degreaser in the center of its operations. A soil boring to 10 feet bgs was drilled adjacent to the degreaser and was sampled at three depths (surface, five and ten feet). The surface soil sample detected tetrachloroethylene (PCE) and trichloroethylene (TCE) contamination at 7,514 and 4,759 micrograms per kilograms (μg/kg), respectively. The five-foot sample detected PCE at 290 and TCE at 21 μg/kg, respectively. The ten-foot sample detected PCE at 1855 and TCE at 66 μg/kg, respectively. (9)

A site-wide multi-depth soil gas survey was conducted in 1996. Sample results detected VOCs as high as 1,940 micrograms per liter (μg/l) to 35 feet below ground surface (bgs) proximal to the former degreasing operations. The highest concentration of VOCs (41 milligrams per liter

(mg/l)) was detected in the most northern portion of the property 15' bgs, along the northwest boundary. (10)

In 1997, a soil vapor extraction well was installed to 60' bgs in the former degreasing area. Soil samples were taken at five feet intervals. The samples detected PCE from 4.8 μg/kg to a maximum of 130 μg/kg and TCE from 3 μg/kg to a maximum of 20 μg/kg. To date, no vapors have been extracted. (9)

The Mobil/Jalk-Fee, a facility immediately north and adjacent to CHT has detected PCE contamination on-site in concentrations as high as 27,000 parts per million (ppm) approximately 10' and 55,000 ppm approximately 55' north of CHT property line. In June 1988, approximately 2,600 tons of PCE and TCE contaminated soil was removed from the site. No confirmation samples were performed. Groundwater samples detected tetrachloroethylene (PCE) as high as 2,200 μg/kg and trichloroethylene (TCE) as high as 180 μg/kg (the maximum contamination limit (MCL)) for each of these substances is 5 μg/kg. (28)

2.4 Regulatory Involvement

2.4.1 U.S. Environmental Protection Agency (EPA).

CHT was identified as a potential hazardous waste site and entered into the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) on May 1, 1998 (CAD 053858296). (1) CHT is listed in the Resource Conservation and Recovery Information System (RCRIS) January 12, 1997 database. The facility is a small quantity generator. (2)

2.4.2 California Environmental Protection Agency.

Department of Toxic Substances Control (DTSC).

DTSC was notified through a July 16, 1997, Non-Emergency Hazardous Substances release Report submitted of the on-site degreasing contamination. (23) DTSC conducted a site screening on March 20, 1998. It was approved April 9, 1999. An overall hazard factor of medium was assigned to the site. (30)

Regional Water Quality Control Board-Los Angeles (RWQCB-LA).

The RWQCB-LA has designated the groundwater in this area for potential use. The CHT neighbor Mobil-Jalk/Fee's remediation efforts are being handled under the oversight of the RWQCB. On March 1, 1999, RWQCB sent a letter to Alton Geoscience, stating that the soil at Mobil-Jalk-Fee had been remediated although they needed to continue with the groundwater monitoring and reporting program (29).

CHT owners have requested that they too be overseen by the RWQCB-LA. (8) Jimmy Woo is the contact. Continental Heat Treating is not yet working with the agency under a Consent Agreement or Order.

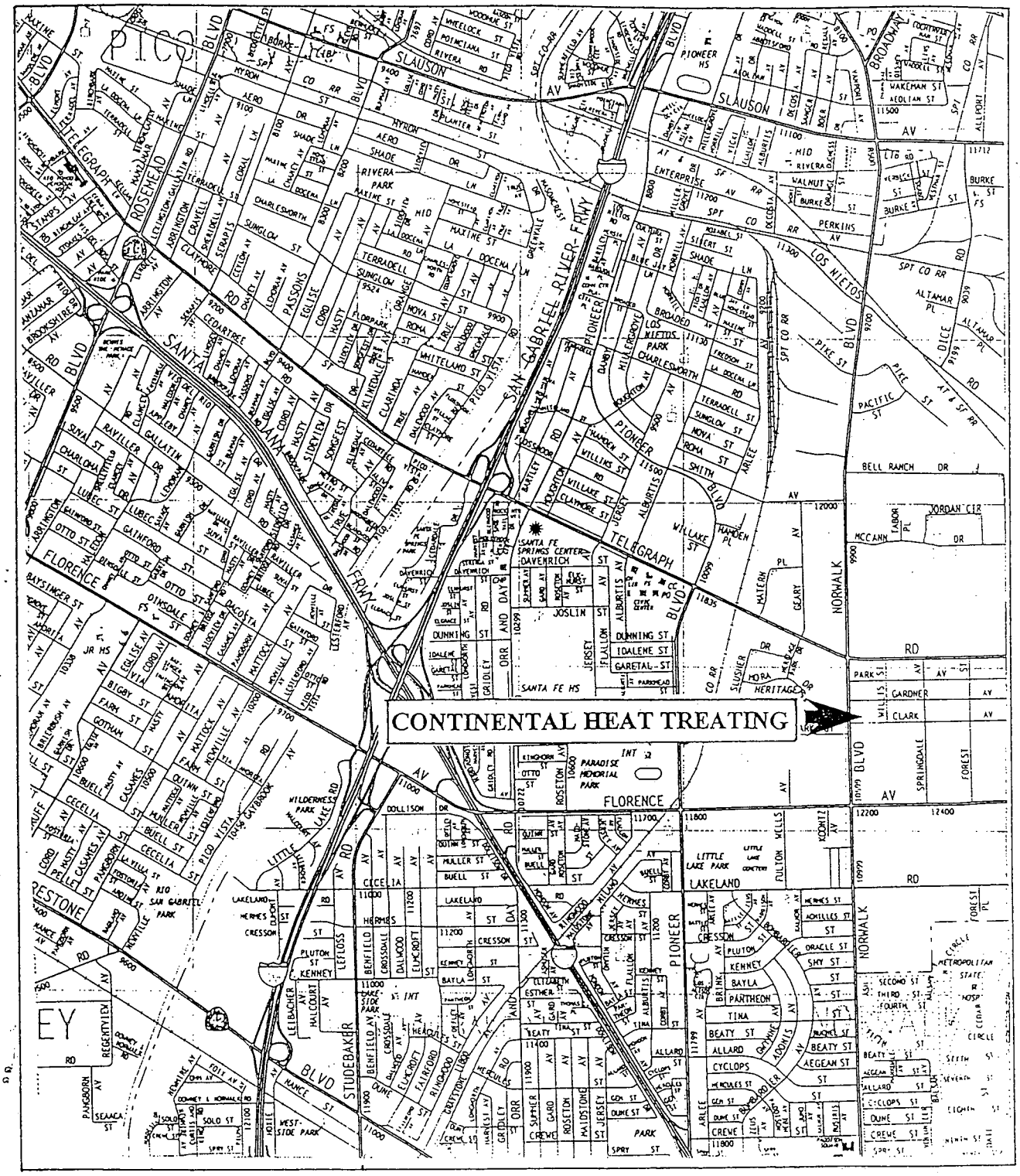
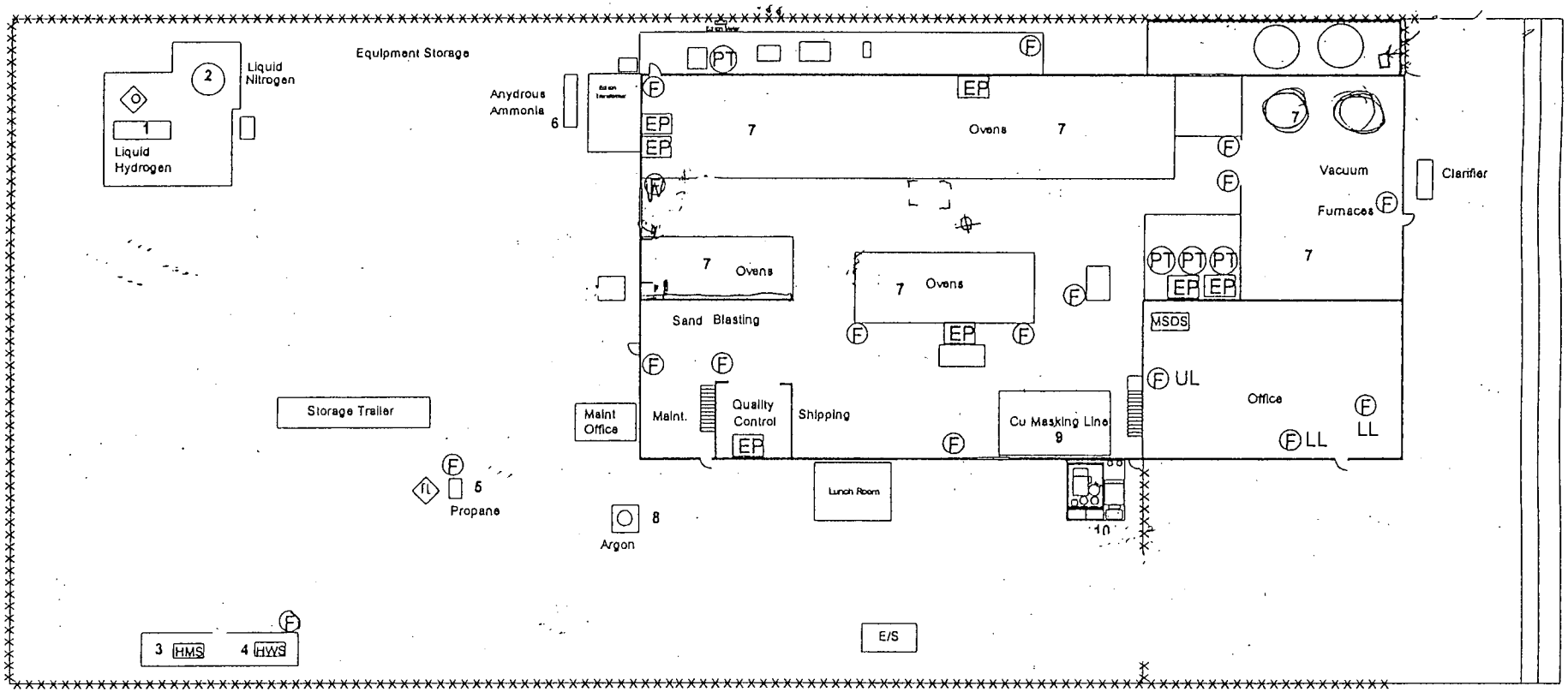


FIGURE 1
SITE LOCATION MAP
CONTINENTAL HEAT TREATING

Source of Map: Thomas Bros., L.A. County, 1992

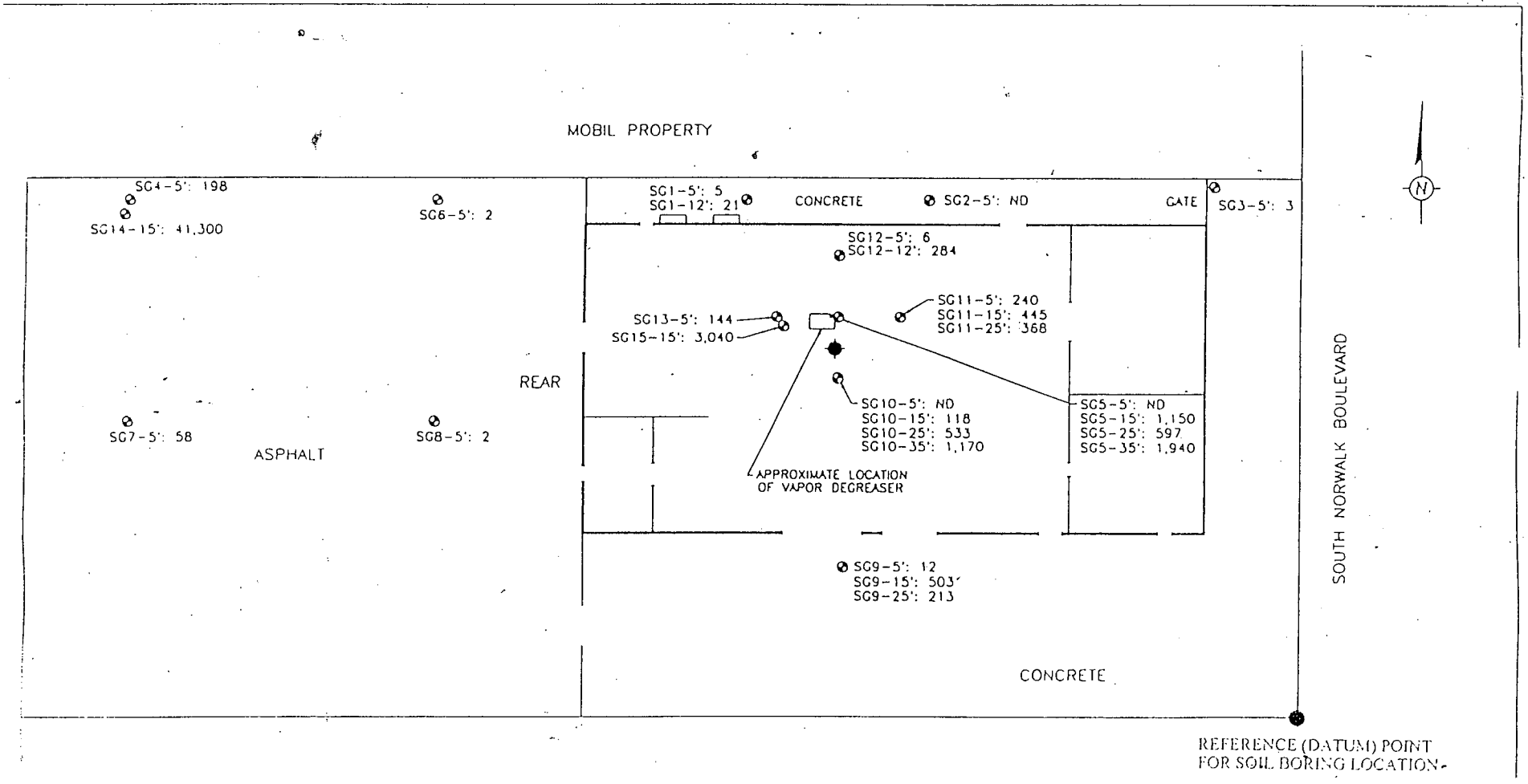
Figure 2 Site Layout



Continental Heat Treating, Inc.

10643 S. Norwalk Blvd.
Santa Fe Springs, CA 90670

1 = Hydrogen Tank
2 = Nitrogen Tank
3 = Hazardous Materials Storage
4 = Hazardous Waste Storage
5 = Propane Tank
6 = Anhydrous Ammonia Tank
7 = Heat Treating Area
8 = Argon Tank
9 = Plating Line
10 = Chemical Storage



0 25 50

APPROXIMATE SCALE IN FEET

EXPLANATION

APPROXIMATE LOCATION OF SOIL BORING, CHT-B1

SG3-5': 3 APPROXIMATE LOCATION OF A SOIL GAS SAMPLING PROBE WITH ASSOCIATED PROBE NUMBER, PROBE DEPTH AND DETECTED CONCENTRATIONS OF TETRACHLOROETHENE (μ g/L)

FIGURE 3
DETECTED CONCENTRATIONS OF PCE (ug/L) IN PHASE 1 & PHASE 2 SOIL GAS PROBES AND LOCATION OF SOIL BORING CHT-B1

CONTINENTAL HEAT TREATING, INC.
10643 SOUTH NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA

2.4.2 Local Agencies

Air Quality Management Districts, South Coast

CHT under permit number F19534 A/N 319375 operates an annealing furnace with 10 natural gas fired burners, each rated at 300,000 BTU per hour in accordance with Rule 206, Division 26 of the Health and Safety Code. (30)

County Sanitation Districts of Los Angeles County

CHT discharges an estimated 0.07 million gallons per year of industrial wastewater under permit number 4827. Discharge is from a parts washer and cooling tower blowdown. (32)

Santa Fe Springs Fire Department (SFSFD).

On July 1, 1997 SFSFD began providing regulatory oversight for this facility under the Certified Unified Program Agency. After a preliminary review of data regarding volatile organic compound contamination at CHT and the neighboring facility Mobil-Jalk/Fee, David R. Klunk, Director of Environmental Services for the City of Santa Fe Springs, referred both sites, to DTSC in a letter dated February 11, 1998. (24, 25, 26)

Los Angeles Fire Department, Health Hazardous Material Division (LACFD)

In a letter dated June 3, 1997 the LACFD referred the site to the RWQCB-LA. (5)

In 1997, a Phase 2 site assessment obtained additional deeper soil gas samples from CHT. The investigation was conducted with the LACFD oversight. The results characterized the lateral and vertical extent of VOC contamination the CHT site. A vapor extraction well was installed with probes at 50' and 60' bgs. Soil samples were taken at five feet intervals. The samples detected PCE from 4.8 μg/kg to a maximum of 130 μg/kg and TCE from 3 μg/kg to a maximum of 20 μg/kg. To date, no vapors have been extracted. (9)

In 1996, LACFD required that a soil gas survey be performed. Thirteen 5-foot and two 15-foot probes were installed. VOC contamination was detected. Sample results detected VOCs as high as 1,940 micrograms per liter (μg/l) to 35 feet below ground surface (bgs) proximal to the former degreasing operations. The highest concentration of VOCs (41 milligrams per liter (mg/l)) was detected in the most northern portion of the property 15' bgs, along the northwest boundary. (10)

In 1995, LACFD requested a limited subsurface investigation be conducted beneath CHT due to the potential for PCE to exist in the subsurface soil. One hand auger boring was advanced to three depths where three discreet soil samples obtained. VOC contamination was detected. The surface soil sample detected tetrachloroethylene (PCE) and trichloroethylene (TCE) contamination at 7,514 and 4,759 micrograms per kilograms (μg/kg), respectively. The five-foot sample detected PCE at 290 and TCE at 21 μg/kg, respectively. The ten-foot sample detected PCE at 1855 and TCE at 66 μg/kg, respectively. (11)

3.0 HAZARD RANKING SYSTEM FACTORS

3.1 Sources Of Contamination

Potential hazardous substance sources associated with the site include:

- From 1986 to 1995, a degreasing unit operated in the center of CHTs operations. TCE and PCE have been detected in soil and soil vapor under and adjacent to the unit.

3.2 Groundwater Pathway

The first regional groundwater-bearing zone is the Exposition Aquifer, which is first encountered at approximately 60' bgs. The second regional aquifer is the Gage Aquifer, first encountered at approximately 110' bgs. The upper 100 feet of sediments consist predominantly of permeable sands, although the upper 15 feet of sediments have a higher silt and clay content and lower permeability. There are 50 drinking-water wells within a 4-mile radius of this site, which serve approximately 287,000 people.

3.2.1 Hydrogeological Setting.

The Santa Fe Springs Oil Field is located on the Santa Fe Springs plain, which is part of the Montebello Forebay non-pressure area of the Central Basin. Groundwater is found throughout the region under unconfined conditions in the Recent Alluvium and in the underlying Exposition Aquifer.

At the Mobil-Jalk/Fee property groundwater wells were sampled in which hazardous substance contamination was found. These wells are in the Exposition Aquifer. Although it is not known for sure at this time whether or not there is contamination in the Gage-Gardena Aquifer, which is a major source of drinking water, there is interconnection between the Exposition and both the Gage-Gardena and the Hollydale aquifers within 2 miles of the site. The Hollydale Aquifer is also a major source of drinking water for the Santa Fe Springs area.

Significant hydrologic features in the area include the San Gabriel River, which flows north to south, along the western edge of the city. There are also two extensive water spreading grounds/percolation basins approximately 1 to 2.5 miles northwest of the city limits. These features will act as groundwater recharge, or "mounding" areas, thus inducing groundwater flow away from them. (29)

3.2.2 Groundwater Targets.

The nearest drinking water well is Well Number 07. This well is operated by the City of Pico Rivera, and is located approximately one mile northeast of the site. (33)

The City of Santa Fe Springs operates a blended drinking water system that consists of 2 wells that serve approximately 38,950 people. Currently, the City of Santa Fe Springs obtains 50% of its drinking water from groundwater and 50% from surface water. No well contributes greater than 40 percent to the system. Both of the wells operated by the City of Santa Fe Springs are

within 4 miles of the site. (14)

The City of La Habra Heights operates a drinking water system that consists of 4 wells that serve approximately 6,300 people. Currently, the City of La Habra Heights obtains 100% of its drinking water from groundwater. No well contributes greater than 40 percent to the system. All 4 of the wells operated by the City of La Habra Heights are within 4 miles of the site. (19)

The Southern California Water Company operates a blended drinking water system that consists of 6 wells that serve approximately 45,000 people. Currently, the Southern California Water Company obtains 36% of its drinking water from groundwater and 64% from surface water. No well contributes greater than 40 percent to the system. All 6 of the wells operated by the Southern California Water Company are within 4 miles of the site. (12)

The City of Pico Rivera operates a drinking water system that consists of 8 wells that serve approximately 45,000 people. Currently, the City of Pico Rivera obtains 100% of its drinking water from groundwater. No well contributes greater than 40 percent to the system. All 8 of the wells operated by the City of Pico Rivera are within 4 miles of the site. (13)

Laurence McGee School operates a well that serves 538 people. Currently, Laurence McGee School obtains all of its drinking water from groundwater. This well operated by the Laurence McGee School is within 4 miles of the site. (18)

The City of Downey operates a drinking water system that consists of 21 wells that serve approximately 100,000 people. Currently, the City of Downey obtains all of its drinking water from groundwater. No well contributes greater than 40 percent to the system. Eighteen of the 21 wells operated by the City of Downey are within 4 miles of the site. (15)

The City of Norwalk operates a drinking water system that consists of 2 wells that serve 15,345 people. Currently, the City of Norwalk obtains 100% of its drinking water from groundwater. No well contributes greater than 40 percent to the system. Both of the wells operated by the City of Norwalk are within 4 miles of the site. (17)

The Park Water Company operates a blended drinking water system that consists of 4 wells that serve approximately 60,000 people. Currently, the Park Water Company obtains 20% of its drinking water from groundwater and 80% from surface water. No well contributes greater than 40 percent to the system. All 4 of the wells operated by the Park Water Company are within 4 miles of the site. (16)

The Pico Water District operates a drinking water system that consists of 7 wells that serve approximately 27,000 people. Currently, the Pico Water District obtains all of its drinking water from groundwater. No well contributes greater than 40 percent to the system. Two of the 7 wells operated by the Pico Water District are within 4 miles of the site. (22)

The San Gabriel Valley Water Company operates a blended drinking water system that consists of 4 wells that serve approximately 153,000 people. Currently, the San Gabriel Valley Water Company obtains all of its drinking water from groundwater. No well contributes greater than 40 percent to the system. Two of the wells operated by the San Gabriel Valley Water Company are within 4 miles of the site. (20)

The Bellflower/Somerset Mutual Water Company operates a blended drinking water system that consists of 16 wells that serve approximately 25,000 people. Currently, Bellflower/Somerset obtains 12% of its drinking water from groundwater and 78% from surface water. No well contributes greater than 40 percent to the system. One of the 16 wells is within 4 miles of the site (21).

3.2.3 Groundwater Pathway Conclusion.

A total of 3 wells have been sampled adjacent to CHT at the Mobil-Jalk/Fee facility. Sampling of these wells has shown that the Exposition Aquifer is contaminated with tetrachloroethylene (PCE) as high as 2,200 μg/kg and trichloroethylene (TCE) as high as 180 μg/kg (the maximum contamination limit (MCL) for each of these substances is 5 μg/kg.). (29)

The soil in this area between ground surface and the Gage Aquifer consists predominantly of permeable sands without any known clay layer. Therefore, the potential for contamination of the deeper aquifer can be projected. Further, as has been previously stated, the Exposition Aquifer is interconnected with both the Gage and the Hollydale aquifers within 2 miles of the site.

Groundwater in the vicinity of CHT occurs in two aquifers. The first regional groundwater-bearing zone is the Exposition Aquifer, which is first encountered at approximately 60' below ground surface. The second regional aquifer is the Gage Aquifer, first encountered at approximately 110'bgs. Groundwater is found throughout this area under unconfined conditions in the Recent Alluvium and in the underlying Exposition Aquifer. Within the Santa Fe Springs Oil Field, the upper 100 feet of sediments consist predominantly of permeable sands, although the upper 15 feet of sediments have a higher silt and clay content and lower permeability. Therefore, there is the potential for contaminants to leach from the shallow Exposition Aquifer to the deeper Gage Aquifer.

The nearest drinking water well is approximately one-mile northeast of CHT. Eleven water purveyors operate 50 drinking-water wells within a 4-mile radius of this site. These wells are part of systems that serve approximately 287,000 people. This drinking water is partly from the Gage Aquifer, but mostly from the Hollydale Aquifer.

3.3 Surface Water Pathway

The surface runoff flows to the asphalted streets and into storm drains. These drains discharge into the local storm drain system which empty into the San Gabriel River (distance-2 miles) and then to the Pacific Ocean (distance-25 miles). There are no drinking water intakes, fisheries, or sensitive environments within 2 miles of the site.

3.4 Soil Exposure and Air Pathway

CHT is entirely fenced, secured, paved and/or covered with buildings. No residences, schools, or daycare centers are on the same property and within 200 feet of contamination associated with the site.

The weather is generally sunny and dry. The average temperature is 65 degrees Farenheit. The average annual rainfall is 23 inches. The prevailing wind speed is 5 miles per hour.

4.0 EMERGENCY RESPONSE CONSIDERATIONS

The National Contingency Plan [40 CFR 300.415 (b) (2)] authorizes the EPA to consider emergency response actions at those sites that pose an imminent threat to human health or the environment. For the following reasons, a referral to Region IX's Emergency Response Section does not appear to be necessary:

- No drinking water wells have been closed due to contamination directly linked to the site.

5.0 SUMMARY

Continental Heat Treating is located at 10643 South Norwalk Boulevard in the city of Santa Fe Springs, California, and consists of approximately 1.5 acres in an industrial area. The site currently consists of a single building which houses the heat treating operations, plating line, and office. A hazardous materials storage area lies in the southwest corner of the property.

The site has processed metal parts with heating units since 1969. From 1986 to 1995, CHT housed a degreaser in the center of its operations. In 1995, a soil boring to 10 feet bgs was drilled adjacent to the degreaser and was sampled at three depths (surface, five and ten feet). Volatile organic compound contamination was detected in the soils and soil vapor underneath and adjacent to the degreasing unit. No vapor has been removed.

Current identified waste streams are waste quench oil, oil contaminated waste, sludge containing copper and spent alkaline cleaning solution. Continental Heat Treating handles their hazardous waste under the Hazardous Waste Control Law, CA H&SC Division 20, Chapter 6.5 and is inspected by a local enforcement agency. The City of Santa Fe Springs referred this site to DTSC and RWQCB. The site has requested the Regional Water Quality Control Board oversee VOC contamination remediation activities. The Regional Water Quality Control Board has confirmed that Mobil-Jalk/Fee has remediated the contaminated soil sources at the neighboring facility but continues to be actively overseeing the groundwater monitoring.

CHT is entirely fenced, secured, paved and/or covered with buildings. No residences, schools, or daycare centers are on the same property and within 200 feet of contamination associated with the site.

The pertinent HRS factors associated with the Site are:

- TCE and PCE has been detected in soil and soil vapor under the site. A soil vapor extraction well was installed but, to date, no vapors have been extracted. The same contaminants have been detected in soil and groundwater in the adjacent property, Mobil-Jalk/Fee.

- Approximately 250,000 people are using drinking water from wells located within 4 miles of this Site.

- There are no drinking water intakes, fisheries, or sensitive environments within 2 miles of the site.

- The site is fenced and its surface is completely covered with either pavement or buildings.

- No residences, schools, or daycare centers are on the same property and within 200 feet of contamination associated with the site.

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION IX

EPA ID: CAD095631719 **Site Name:** CONTINENTAL HEAT TREATING **State ID:**

Alias Site Names:

City: SANTA FE SPRINGS **County or Parish:** LOS ANGELES **State:** CA

Refer to Report Dated: **Report Type:** PRELIMINARY ASSESSMENT 001

Report Developed by: STATE

DECISION:

- ☐ **1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:**
  - ☐ **1a. Site does not qualify for further remedial site assessment under CERCLA (No Further Remedial Action Planned - NFRAP)**
  - ☐ **1b. Site may qualify for action, but is deferred to:**
- ☒ **2. Further Assessment Needed Under CERCLA:**
  - **2a. Priority:** ☒ **Higher** ☐ **Lower**
  - **2b. Other: (recommended action)** High

DISCUSSION/RATIONALE:

No State regulatory involvement. VOCs found in soil gas on site. Regional groundwater contamination in the area. Sampling is required.

Site Decision Made by: RACHEL LOFTIN

Signature: _____ **Date:** 06/27/2001

EPA Form # 9100-3

APPENDIX A

APPENDIX A

REFERENCE LIST

Site: Continental Heat Treating

1. U. S. Environmental Protection Agency, Comprehensive Environmental Response Compensation, and Liability Information System (CERCLIS), May 1, 1998.

2. January 12, 1997, Resource Conservation and Recovery Information System.

3. Parnass, Lori, California Environmental Protection Agency, Department Of Toxic Substances Control, Site Reconnaissance Interview and Observations Report, December 15, 2000.

4. Klunk, Dave, City of Santa Fe Springs Fire Department, Letter to James G. Stull, Continental Heat Treating, September 12, 1997.

5. Klinger, Thomas W., County of Los Angeles Fire Department, Letter to J.E. Ross, Los Angeles Regional Water Quality Control Board, June 3, 1997.

6. California Department of Water Resources, Southern District, Bulletin Number 104: Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County, Appendix A: Ground Water Geology, June 1961.

7. U.S. Geology Survey, Whittier Quadrangle, California, 7.5-Minute Series (topographic), 1965, Photo revised 1981.

8. Graham, Chip, Northern Trust Bank, Letter to Ms. Mangulika Chakrabarti, Los Angeles Regional Water Quality Control Board, October 18, 2000.

9. Site Assessment Report, Continental Heat Treating, 10643 South Norwalk Boulevard, Santa Fe Springs, California, prepared by Environmental Support Technologies, May 6, 1997.

10. Multi-Depth Soil Gas Survey Report, Continental Heat Treating, 10643 South Norwalk Boulevard, Santa Fe Springs, California, prepared by Environmental Support Technologies, May 8, 1996.

11. Site Investigation Report, Continental Heat Treating, 10643 South Norwalk Boulevard, Santa Fe Springs, California, prepared by Green Environmental, Inc., March 20, 1995.

12. Wen, Jason, Southern California Water Company/Norwalk, Department of Toxic Substances Control (DTSC) Information Request Letter, December 29, 2000 and follow up call by Lori Parnass, DTSC, January 3, 2001.

13. Diaz, Adrian, City of Pico Rivera Water Department, DTSC Information Request Letter and

follow up call by Lori Parnass, DTSC, February 7, 2001.

14. Hughes, Ron, City of Santa Fe Springs Water Department, DTSC Information Request Letter, January 2, 2001 by Lori Parnass, DTSC.

15. McDonnell, Frank, City of Downey Water Department, DTSC Information Request Letter, December 21, 2000 and follow up call by Lori Parnass,DTSC, February 7, 2001.

16. Lynch, Gary, Park Water Company, DTSC Information Request Letter, January 5, 2001.

17. Ford, Noel, City of Norwalk Water Department, DTSC Information Request Letter, January 5, 2001.

18. Laurence McGee School, DTSC Information Request Letter, January 5, 2001 and follow up call by Lori Parnass, DTSC, with Water Reserve District representative Wanjiru Njuguna, February 7, 2001.

19. Zampiello, Anthony, La Habra Heights CWD, DTSC Information Request Letter, January 5, 2001.

20. Arrighi, Dan, San Gabriel Valley Water Company, DTSC Information Request Letter, January 2, 2001.

21. Wendell, Carl, Bellflower-Somerset Mutual Water Company, DTSC Information Request Letter, January 5, 2001.

22. Dermody, Joseph, City of Pico Water Department, DTSC Information Request Letter, January 5, 2001.

23. Grams, Dee, Non-Emergency Hazardous Substance Release Report, July 14, 1997 to DTSC.

24. Klunk, David R., City of Santa Fe Springs Fire Department, Letter to Greg Holmes, Department of Toxic Substances Control, February 11, 1998.

25. Cully, Joe, DTSC correspondence to Greg Holmes, DTSC, January 21, 1998.

26. Klinger, Thomas, County of Los Angeles Fire Department, Letter to James G. Stull, Continental Heat Treating, May 27, 1997.

27. City of Santa Fe Springs, Certified Unified Program Agency, Activity Declaration, August 1, 2000.

28. Limited Subsurface Investigation, Tetrachloroethylene Impacted Soil at Mobil-Jalk/Fee Property, Santa Fe Springs, prepared by McLaren/Hart, Nov. 15, 1994.

29. U.S.EPA Preliminary Assessment, June 15, 1999, Mobil-Jalk/Fee, prepared by DTSC.

30. U.S.EPA Site Screening, May 1, 1998, Continental Heat Treating, prepared by DTSC.

31. So. Coast Air Quality Management District, February 10, 1999, Permit to Operate.

32. Kilgore, John D., County Sanitation Districts of Los Angeles County Discharge Permit, Letter to Mr. Tom Hall, City of Santa Fe Springs, January 6, 1993.

33. U.S. EPA, Region 9, Geographical Information Systems Report, November 14, 2000.

APPENDIX B

PHOTOGRAPHIC DOCUMENTATION

1) Front of Facility. Front door entrance to front offices.
2) Plating line. This line is located inside the building along the south wall.
3) Center of the building. Product in foreground, existing monitoring well in background.
4) Cleaning unit.
5) Ovens along north wall, inside building.
6) Southwestern view, hazardous material/waste storage unit in the background.
8) Liquid hydrogen tanks in the northwestern corner.
9) Mobil-Jalk/Fee. Possible well location identified by caution tape, in center of photo.

CHT PA

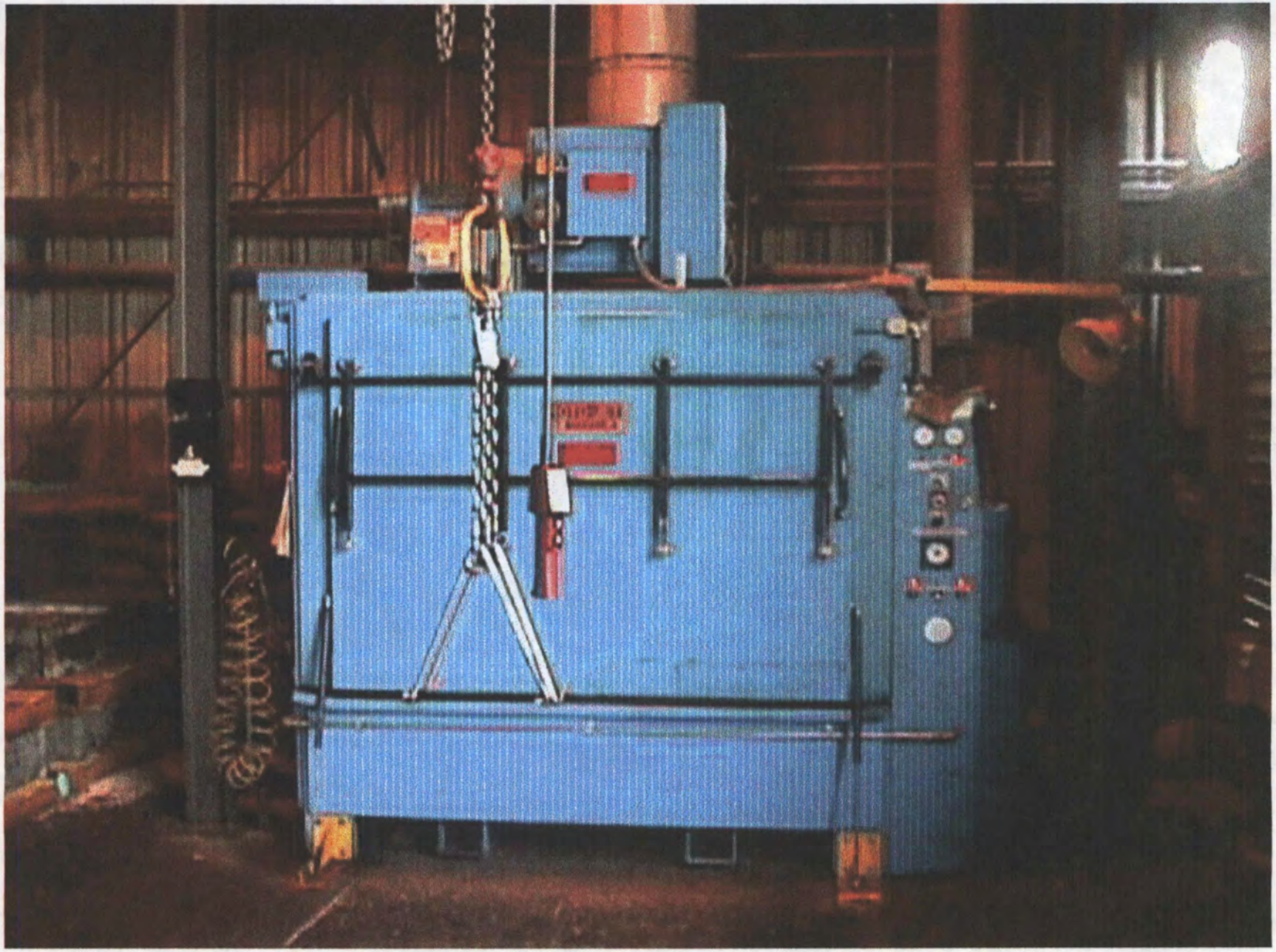
1

2

CHT PA

CHT PA

3



CHT PA

4

5

CHT PA

CHT PA

6

CHT PA 7

CHFT PA 8

APPENDIX C

CONTACT LOG

Site: Continental Heat Treating
EPA ID: CAD 053858296

Name	Affiliation	Phone	Date	Information
James Stull	Continental Heat Treating owner,operator	562)944-8808	12/07/00	Facility info; See Site Recon
Robert Schneider	Facility consultant	ph 909)597-7024 fax 909)597-0566	12/07/00	Facility info; See Site Recon
Joe Cully	DTSC	714) 551-2800	12/22/00	Information on neighboring facility, Mobil-Jalk/Fee
Jason Wei	Southern California Water Company	562)907-9200 ext.407/402	12/22/00	See HRS Rational
Frank Mc Donnell	City of Downey Water Dept.	562)904-7246	12/22/00	See HRS Rational
Adrian Diaz	City of Pico Rivera Water	562) 942-2243	12/22/00	See HRS Rational
Ron Hughes	City of Santa Fe Springs Water	562) 868-0511	12/22/00	See HRS Rational
Gary Lynch	Park Water Company			See HRS Rational
Joseph Dermody	Pico Water District	562)692-3756/ 213)380-7889	12/29/00	See HRS Rational
Dan Arrighi	San Gabriel Valley Water Company, El Monte	626)448-6183	12/29/00	See HRS Rational
Utility Supervisor	Laurence McGee School		01/05/01	See HRS Rational
Anthony Zampiello	La Habra Heights CWD	562)697-6769/ 562)694-6302	01/05/01	See HRS Rational
Carl Wendall	Bellflower-Mutual Water Company	562)866-9980	01/05/01	See HRS Rational
Noel Ford	City of Norwalk Public Services Water	562)929-5700	01/05/01	See HRS Rational
Cheryl Ross	Central Basin Municipal Water		01/11/01	Groundwater Well Information Request for wells without information: Alice Birney (1909999001), Downey Valley Mutual (1900672001), John Niemes (1909998001), Cerritos College (1900025001)
John Geroch/Jimmy Woo	Los Angeles Regional Water Board	213)576-6723	01/01	Groundwater designation-potential use.Because neighboring facility is being overseen by the LARWQCB the CHT owners have requested that they too be overseen by the LARWQCB.

APPENDIX D

CONTACT REPORT

AGENCY/AFFILIATION: Southern California Water Company/Norwalk		CODE:
DEPARTMENT: Water Quality		
ADDRESS:12035 Burke St. Suite 1	CITY:Santa Fe Springs	
COUNTY:	STATE: CA	ZIP:90670
CONTACT(S) Scott Zastrow/Jason Wei	TITLE water quality engineer	PHONE 562)907-9200 ext.407/402
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE:12/00
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating	EPA ID: CAD 095631719	

DISCUSSION:

The Southern California Water Company operates a blended drinking water system that consists of 8 wells that serve approximately 40,000 people. Currently, the Southern California Water Company obtains 40% of its drinking water from groundwater and 60% from surface water. No well contributes greater than 40 percent to the system and the system is a blended system. All 8 of the wells operated by the Southern California Water Company are within 4 miles of the site. All wells are impacted with VOC contamination, 1,1 DCE over MCL, PCE and TCE near MCL. The water is treated by a GAC system.

CONTACT REPORT

AGENCY/AFFILIATION: Pico Rivera - City, water dept.			CODE:
DEPARTMENT:			
ADDRESS: P.O. Box 1016	CITY: Pico Rivera		
COUNTY:	STATE: CA		ZIP:
CONTACT(S) Adrian Diaz /diazadrian@earthlink.net	TITLE Utility Systems Supervisor	PHONE 562) 801-4316/562) 942-2000	
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE:	
SUBJECT: well and aquifer info			
SITE NAME: Continental Heat Treating		EPA ID: CAD 095631719	

DISCUSSION:

The City of Pico Rivera operates a blended drinking water system that consists of at least 8 wells (listed below) that serve approximately 36,500 people. Currently, the City of Pico Rivera obtains 50% of its drinking water from groundwater and 50% from surface water. No well contributes greater than 40 percent to the system. All of the listed wells operated by the City of Pico Rivera are within 4 miles of the site.

Well Ids
1910042011 (well W7)

1910042012 (well W8)

1910042013 (well W9)

1910042013 (well W9)

1910042004 (well W11)

1910042005 (well W12)

1910042007 (well W3)

1910042008 (well W4)

1910042009 (well W5)

1910042010 (well W6)

CONTACT REPORT

AGENCY/AFFILIATION: Santa Fe Springs - City, water dept.			CODE:
DEPARTMENT:			
ADDRESS: 11710 Telegraph Road	CITY: Santa Fe Springs		
COUNTY:	STATE: CA		ZIP:90670
CONTACT(S) Ron Hughes	TITLE Engineer	PHONE 562) 868-0511 ext. 244	
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE: 12/22/00	
SUBJECT: well and aquifer info			
SITE NAME: Continental Heat Treating		EPA ID: CAD 095631719	

DISCUSSION:

The City of Santa Fe Springs (SFS) operates a blended drinking water system. Currently, the SFS obtains 50% of its drinking of its drinking water from groundwater and 50% from surface water. No well contributes greater than 40 percent to the system. The two (2) wells operated by the City of Santa Fe Springs are within 4 miles of the site.

Population served by SFS = 38,950

CONTACT REPORT

AGENCY/AFFILIATION: Downey - City, water dept.		CODE:
DEPARTMENT:		
ADDRESS: 9252 Stewart and Gary Rd.	CITY: Downey	
COUNTY:	STATE: CA	ZIP: 90241
CONTACT(S) Frank McDonnell/fmcdonel@downeyca.org	TITLE Supervisor	PHONE 562)904-7246/7202 fax)562)869-9832
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE:12/20/00
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating		EPA ID: CAD 095631719

DISCUSSION:

1) 1910034014(well 12(old PWC well 42B)
2) 1910034007 (well 05(stoakes 13)
3) 1910034012 (well 10(old PWC well 42C)
4) 1910034018 (well 16(old well 10)
5) 1910034017 (well 15(old well 06)
6) 1910034025 (well 24 (old PWC well 08 B)
7) 1910034005 (well 02 (old well 08)
8) 1910034004 (well 01(old well 13)
9) 1910034032 (well 04)
10) 1910034011 (well 09 (old well 04)
11) 1910034019 (well 17 (old PWC well 05 E)
12) 1910034016 (well 14(old well 02)
13)1910034009 (well 07 (old well 302)
14) 1910034021 (well 19 (old well 01)
15) 1910034024 (well 23 (old well 07)
16) 1910034026 (well 25(old well 09)
17) 1910034030 (well 30 (old wPWC well 01D)
18) 1910034029 (well 29(old PWC well 01C)

100% of water is groundwater.
Twenty-one wells in operating system serve approximately 100,000 people. No well contributes greater than 40 percent to the system. Eighteen (18) of the 21 wells operated by the City of Downey are within 4 miles of the site.

CONTACT REPORT

AGENCY/AFFILIATION: Park Water Co. - Bellflower, Norwalk		CODE:
DEPARTMENT:		
ADDRESS: P.O. Box 7002	CITY: Downey	
COUNTY:	STATE: CA	ZIP:90241
CONTACT(S) Gary Lynch	TITLE General Manager	PHONE
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE:1/5/01
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating	EPA ID: CAD 095631719	

DISCUSSION:

The Park Water Company operates a blended drinking water system that consists of 4 wells that serve approximately 60,000 people. Currently, the Park Water Company obtains 20% of its drinking water from groundwater and 80% from surface water. No well contributes greater than 40 percent to the system. All 4 of the wells operated by the Park Water Company are within 4 miles of the site.

10

CONTACT REPORT

AGENCY/AFFILIATION: Norwalk - City, water dept.			CODE:
DEPARTMENT:			
ADDRESS: 12631 Imperial Highway		CITY: Santa Fe Springs	
COUNTY:		STATE: CA	ZIP:90670
CONTACT(S) Noel Ford	TITLE Utilities Supervisor	PHONE 562)929-5511	
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE: 1/30/01	
SUBJECT: well and aquifer info			
SITE NAME: Continental Heat Treating		EPA ID: CAD 095631719	

DISCUSSION:

The City of Norwalk operates a drinking water system that consists of 2 wells that serve 15,345 people. Currently, Norwalk obtains 100% of its drinking water from groundwater. No well contributes greater than 40-percent to the system. All wells operated by the Norwalk are within 4 miles of the site.

CONTACT REPORT

AGENCY/AFFILIATION: Laurence McGee School			CODE:
DEPARTMENT:			
ADDRESS: 8200 Serapis		CITY: Pico Rivera	
COUNTY:		STATE: CA	ZIP:90660
CONTACT(S) Wanjiru Njuguna, Water Reserve District	TITLE representative	PHONE	
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE:2/7/01	
SUBJECT: well and aquifer info			
SITE NAME: Continental Heat Treating		EPA ID: CAD 095631719	

DISCUSSION:

Laurence McGee School operates a well that serves approximately 500 people. Currently, Laurence McGee School obtains all of its drinking water from groundwater. This well operated by the Laurence McGee School is within 4 miles of the site.

CONTACT REPORT

AGENCY/AFFILIATION: La Habra Heights - City, water dept.		CODE:
DEPARTMENT:		
ADDRESS: P.O. Box 628	CITY: La Habra Heights	
COUNTY:	STATE: CA	ZIP:90633
CONTACT(S) Anthony Zampiello	TITLE	PHONE 562)697-6769
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE:01/05/01
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating	EPA ID: CAD 095631719	

DISCUSSION:

The City of La Habra Heights (LHH) obtains 100% of its drinking water from groundwater. No well contributes greater than 40% to the system. All 4 of the wells operated by the LHH are within 4 miles of the site.

19

CONTACT REPORT

AGENCY/AFFILIATION: San Gabriel Valley Water Co. - El Monte			CODE:
DEPARTMENT:			
ADDRESS:P.O. Box 6010	CITY: El Monte		
COUNTY:	STATE: CA		ZIP:91734
CONTACT(S) Dan Arrighi	TITLE	PHONE 626) 448-6183	
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE: 12/29/00	
SUBJECT: well and aquifer info			
SITE NAME: Continental Heat Treating	EPA ID: CAD 095631719		

DISCUSSION:

The San Gabriel Valley Water Company operates a drinking water system that consists of 4 wells that serve approximately 153,000 people. Currently, the San Gabriel Valle Water Company obtains all of its drinking water from groundwater. No well contributes greater than 40 to the system. Two of the wells operated by the San Gabriel Valley Water Company are within 4 miles of the Site.

CONTACT REPORT

AGENCY/AFFILIATION: Bellflower - Somerset Mutual Water Company		CODE:
DEPARTMENT:		
ADDRESS: 10016 E. Flower	CITY:Bellflower	
COUNTY:	STATE: CA	ZIP:
CONTACT(S) Carl Wendall	TITLE	PHONE 562) 866-9980
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE: 01/05/01
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating	EPA ID: CAD 095631719	

DISCUSSION:

The Bellflower/Somerset Mutual Water Company operates a blended drinking water system that consists of 16 wells that serve approximately 25,000 people. They currently obtain 12% of the drinking water from groundwater and 78% from surface water. No well contributes greater than 40 percent to the system. One of the sixteen wells are within 4 miles of the site.

CONTACT REPORT

AGENCY/AFFILIATION: Pico- City, water dept.			CODE:
DEPARTMENT:			
ADDRESS: P.O. Box 758	CITY:Pico Rivera		
COUNTY:	STATE: CA		ZIP:90660
CONTACT(S) Joseph Dermody	TITLE	PHONE 562) 692-3756	
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE: 12/29/00	
SUBJECT: well and aquifer info			
SITE NAME: Continental Heat Treating		EPA ID: CAD 095631719	

DISCUSSION:

The Pico Water District operates a blended drinking water system that consists of 7 wells that serve approximately 27,000 people. Currently, the Pico Water District obtains all of its drinking water from groundwater. No well contributes greater than 40 percent to the system. Two of the seven wells operated by the Pico Water District are within 4 miles of the site.

Well Id

1910125006 (well 05A)

1910125009 (well 08)

APPENDIX E

SITE RECONNAISSANCE INTERVIEW AND OBSERVATIONS REPORT

Department of Toxic Substances Control
1011 N. Grandview Avenue
Glendale, California 91201

OBSERVATIONS MADE BY: Lori Parnass DATE: December 15, 2000

FACILITY REPRESENTATIVE(S) and TITLE(S): Mr. Robert W. Schneider, facility representative.

SITE: Continental Heat Treating, Inc.

EPA ID: CAD 053858296

A site reconnaissance was conducted at the Continental Heat Treating (CHT) on December 15, 2000. The weather was warm and the temperature was approximately 75°F. Ms. Lori Parnass of the Department of Toxic Substances Control (DTSC) conducted the Site reconnaissance beginning at 9:00 a.m. to gather information on the site location and size, site history, processes used, and any hazardous waste generated, treated, stored, or disposed of on site. The reconnaissance included a site tour and interview with facility representative, Mr. Robert W. Schneider. Photos were obtained.

The following information was obtained during the site reconnaissance:

Site Description. CHT is located at 10643 South Norwalk Blvd., in the city of Santa Fe Springs, the county of Los Angeles, the state of California. CHT is located in the southwest portion of the Santa Fe Springs oil field, which is an active oil field and in an industrial/commercial area. CHT is bordered on the north and northwest by an oil production property, formerly Jalk-Fee/Mobil; on the east by Norwalk Boulevard; on the south by Hathaway Property; and on the west by Hathaway Property. Residential areas are further than 2000 feet away. School areas are further than 2000 feet northwest of the site.

CHT is approximately 450 ft by 200 ft with a building located in the central and eastern portion of the property. The building is approximately 225 ft by 150 ft with a layer of intact concrete flooring. The driveway is asphalt. Previous sampling event and monitoring well areas were located.

CHT processes metal parts with heat to perform carbonnitriding and nitriding on the surface of the metal. A central building houses the metal processing operations and a copper metal plating line. The business operations whose normal working hours are 8 AM to 5 PM, Monday through Friday, employ 46 people.

Hazardous Substances Onsite. Continental Heat Treating, Inc. certified in an August 1, 2000 activity declaration to the certified unified local enforcement agency, City of Santa Fe Springs, that the facility stores hazardous materials, including regulated substances in above ground tanks or drums. They are as follows:

1) Anhydrous Ammonia - is stored in a 1000 gallon above ground tank. The ammonia is drawn through a piping system and a manifold flow meter directly into heat treat furnaces where it is consumed. The tank is located outside the building on the west end the building.

2) Argon - is stored in an above ground tank located outside building on the southwest side.

3) Cerfa-Kleen 5380 - is stored in a drum located outside building on the southwest corner of the property. Triethanolamine is the hazardous component of this material.

4) Hydrogen - is stored in an above ground tank located outside building on the northwest corner of the property.

5) Kendall Super DS 15 W 40 - is stored in a drum located outside building on the southwest corner of the property. Heavy Para Pertoleum Oil, amide borate, and ethylene propylene copolymers are the hazardous components of this material.

6) Liquid Nitrogen - is stored in above ground tanks located outside building, northwest corner of property.

7) Propane - is stored in above ground tanks located outside building on the southwest site.

8) Waste oil - approximately 2,100 gallons per year is drummed for recycling. Waste drums are stored in a designated hazardous waste storage area located in the southwestern portion of the property.

9) Waste quench oil - is stored in above ground tanks and drums. Approximately 2,400 gallons is produced. Petroleum and residual oil is the hazardous component.

10) Spent alkaline cleaning solution - approximately 300 gallons per year. Plating wastes are drummed and stored in a designated area outside the building, on the southside.

11) Sludge containing copper - is stored in a drum outside on southside of building.

12) Sodium hydroxide - is stored in a drum outside on southside of building.

13) Acid cleaning solution - is stored in an above ground tank near the copper masking line. The hazardous component is sodium bisulfate and sodium biflouride.

14) Cupral plating solution - is stored in an above ground tank near the copper masking line. The hazardous component is copper diacetate, potassium hydroxide, 1-hydroxyethylidene-1,1-diphosphonic acid.

15) Alkaline cleaner solution - is stored in an above ground tank near the copper masking line. The hazardous component is sodium hydroxide.

16) Cufix E stripper - is stored in an above ground tank near the copper masking line. The hazardous component is potassium carbonate.

EPA Potential Hazardous Waste Site Preliminary Assessment Form

Identification

State: CA | CERCLIS Number: CAD053858296

CERCLIS Discover Date: May 1, 1998

1. General Site Information

Name: Continental Heat Treating | Street: 10643 South Norwalk Blvd.

City: Santa Fe Springs | State: CA. | Zip Code: 90670 | County: L.A.

Latitude: 33° 56' 0.9" | Longitude: 118° 04' 28.0"

Approximate Area of Site: 1 Acres ____ Square Ft.

Status of Site: ☑ Active ☐ Inactive ☐ Not Specified ☐ NA

County Code:

Cong. Dist.:

2. Owner/Operator Information

Owner	Operator
MR. Stall	
Street: 10643 Norwalk Blvd.	Street:
City: Santa Fe Springs	City:
State: CA Zip Code: Telephone:	State: Zip Code: Telephone:

Type of ownership

☑ Private ☐ Federal Agency ☐ State ☐ Indian ☐ County ☐ Municipal ☐ Not Specified ☐ Other

How Initially Identified

☐ Citizen Complaint ☐ PA Petition ☐ State/Local Program ☐ RCRA/CERCLA Notification ☐ Federal Program ☐ Incidental ☐ Not Specified ☐ Other

3. Site Evaluator Information

Evaluator: Lori Parnass | Agency/Organization: CA/EPA Department of Toxic Substances | Date Prepared: 05/30/01

Street: 1011 N. Grandview | City: Glendale | State: CA.

Name of EPA or State Agency Contact | Street:

City: | State: | Telephone:

4. Site Disposition (for EPA use Only)

Emergency Response/Removal Assessment Recommendations

☐ Yes ☐ No ☐ Date:

CERCLIS Recommendations:

☐ Higher Priority SI ☐ Lower Priority SI ☐ NFRAP ☐ RCRA ☐ Other ☐ Date:

Signature:

Names (typed)

Position:

CERCLIS Number: CAD053858296

5. General Site Characteristics

Predominant Land Uses Within 1 Mile of Site (Check all that apply):

- [x] Industrial
- [ ] Commercial
- [ ] Residental
- [ ] Forest/Fields
- [ ] Agriculture
- [ ] Mining
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [ ] Other Federal Facility
- [ ] Other

Site Setting:

- [x] Urban
- [ ] Suburban
- [ ] Rural

Years of Operation:

Beginning Year 1969

Ending Year _____

- [ ] Unknown

Type of Site Operations (Check all that apply):

- [x] Manufacturing
  - [ ] Lumber and Wood Products
  - [ ] Inorganic Chemicals
  - [ ] Plastic and/or Rubber Products
  - [ ] Paints, Varnishes
  - [ ] Industrial Organic Chemicals
  - [ ] Agricultural Chemicals (e.g., pesticides, fertilizers)
  - [ ] Miscellaneous Chemical Products (e.g., adhesives, explosives, ink)
  - [ ] Primary Metals
  - [ ] Metal Coating, Plating, Engraving
  - [ ] Metal Forging, Stamping
  - [ ] Fabricated Structural Metal Products
  - [ ] Electronic Equipment
  - [ ] Other Manufacturing
- [ ] Mining
  - [ ] Metals
  - [ ] Coal
  - [ ] Oil and Gas
  - [ ] Non-metalic Minerals
- [ ] Retail
- [ ] Recycling
- [ ] Junk/Salvage Yard
- [ ] Municipal Landfill
- [ ] Other Landfill
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [ ] Other Federal Facility
- [ ] RCRA
  - [ ] Treatment, Storage, or Disposal
  - [ ] Large Quantity Generator
  - [ ] Small Quantity Generator
  - [ ] Subtitle D
    - [ ] Municipal
    - [ ] Industrial
  - [ ] "Converter"
  - [ ] "Protective Filer"
  - [ ] "Non- or Late Filer"
- [ ] Not Specified
- [ ] Other _____

Waste Generated:

- [x] Onsite
- [ ] Offsite
- [ ] Onsite and Offsite

Waste Deposition Authorized By:

- [ ] Present Owner
- [ ] Former Owner
- [ ] Present and Former Owner
- [ ] Unauthorized
- [ ] Unknown

Waste Accessible to the Public:

- [ ] Yes
- [x] No

Distance to Nearest Dwelling, School, or Workplace:

_____ Feet

6. Waste Characteristics Information

Source Type (Check all that apply)	Source Waste Quantity (include units)	Tier *
[ ] Landfill		
[ ] Surface Impoundment		
[ ] Drums		
[ ] Tanks and non-Drum Containers		
[ ] Chemical Waste Pile		
[ ] Scrap Metal or Junk Pile		
[ ] Tailings Pile		
[ ] Trash Pile (open dump)		
[ ] Land Treatment		
[ ] Contaminated Ground Water Plume (unidentified source)		
[ ] Contaminated Surface Water/Sediment (unidentified source)		
[ ] Contaminated Soil		
[ ] Other: _____		
[ ] No Sources		

* C = Constituent, W = Wastestream, V = Volume, A = Area

General Types of Waste (check all that apply):

- [ ] Metals
- [ ] Organics
- [ ] Inorganics
- [ ] Solvents
- [ ] Paints/Pigments
- [ ] Laboratory/Hospital Waste
- [ ] Radioactive Waste
- [x] Oily Waste
- [ ] Pesticides/Herbicides
- [ ] Acids/Bases
- [ ] Construction/Demolition Waste
- [ ] Municipal Waste
- [ ] Mining Waste
- [ ] Explosives
- [ ] Other

Physical State of Waste as Deposited (check all that apply):

- [ ] Solid
- [ ] Gas
- [ ] Liquid
- [ ] Powder
- [ ] Sludge

CERCLIS Number: CAD053858296

7. Ground Water Pathway

Is Ground Water Used for Drinking Water Within 4 Miles:
- [x] Yes
- [ ] No

Is There a Suspected Release To Ground Water:
- [x] Yes
- [ ] No

List Secondary Target Population Served by Ground Water Withdrawn From:

0 - 1/4 Mile _____

> 1/4 - 1/2 Mile _____

> 1/2 - 1 Mile _____

> 1 - 2 Miles _____

> 2 - 3 Miles _____

> 3 - 4 Miles _____

Total Within 4 Miles _____

Type of Drinking Water Wells Within 4 Miles (Check all that apply)
- [x] Municipal
- [ ] Private
- [ ] None

Have Primary Target Drinking Water Wells Been Identified:
- [x] Yes
- [ ] No

If Yes, Enter Primary Target Population:

_____ People

Depth to Shallowest Aquifer:

60 Feet

Karst Terrain/Aquifer Present:
- [ ] Yes
- [x] No

Nearest Designated Wellhead Protection Area:
- [ ] 0 - 1/4 Mile
- [ ] >1/4 Mile - 4 Miles
- [ ] None Within 4 Miles

8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (Check all that apply)
- [ ] Stream [ ] River [ ] Pond [ ] Lake
- [ ] Bay [ ] Ocean [ ] Other_____

Shortest Overland Distance From Any Source to Surface Water:

_____ Feet

_____ Miles

Is There a Suspected Release to Surface Water:
- [ ] Yes
- [ ] No

Site is Located in:
- [ ] Annual - 10 yr Floodplain
- [ ] > 10 yr - 100 yr Floodplain
- [ ] > 100 yr - 500 yr Floodplain
- [ ] > 500 yr Floodplain

Drinking Water Intakes Located Along the Surface Water Migration Path:
- [ ] Yes
- [ ] No

Have Primary Target Drinking Water Intakes Been Identified:
- [ ] Yes
- [ ] No

If Yes, Enter Population Served by Primary Target Intakes:

_____ People

List All Secondary Target Drinking Water Water Intakes:

Name	Water Body	Flow (cfs)	Population Served

Total within 15 Miles _____

Fisheries Located Along the Surface Water Migration Path:
- [ ] Yes
- [ ] No

Have Primary Target Fisheries Been Identified:
- [ ] Yes
- [ ] No

List All Secondary Target Fisheries:

Waterbody/Fishery Name	Flow (cfs)

CERCLIS Number: CAD053858296

8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:

☐ Yes
☐ No

Have Primary Target Wetlands Been Identified:

☐ Yes
☐ No

List Secondary Target Wetlands:

Water Body	Flow (cfs)	Frontage Miles

Other Sensitive Environments Located Along the Surface Water Migration Path:

☐ Yes
☐ No

Have Primary Sensitive Environments Been Identified:

☐ Yes
☐ No

List Secondary Target Sensitive Environments:

Water Body	Flow (cfs)	Sensitive Environment Type

9. Soil Exposure Pathway

Are People Occupying or Attending School or Day Care on or Within 200 Feet of Areas of Known or Suspected Contamination:

☐ Yes
☐ No

If Yes, Enter total Resident Population:

_____ People

Number of Workers Onsite:

☐ None
☐ 1 - 100
☐ 101 - 1,000
☐ > 1,000

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of the Site.

☐ Yes
☐ No

If Yes, List Each Terrestrial Sensitive Environment

_____
_____
_____

10. Air Pathway

Is There a Suspected Release to Air:

☐ Yes
☐ No

Enter Total Population on or Within:

Onsite _____

0 - 1/4 Mile _____

> 1/4 - 1/2 Mile _____

> 1/2 - 1 Mile _____

> 1 - 2 Miles _____

> 2 - 3 Miles _____

> 3 - 4 Miles _____

Total Within 4 Miles _____

Wetlands Located Within 4 Miles of the Site:

☐ Yes
☐ No

Other Sensitive Environments Located Within 4 Miles Of The Site:

☐ Yes
☐ No

List All Sensitive Environments Within 1/2 Mile of the Site:

Distance	Sensitive Environmental Type/Wetlands Area (acres)
Onsite	
0 - 1/4 Mile	
> 1/4 Mile - 1/2 Mile	

LATITUDE AND LONGITUDE CALCULATION WORKSHEET #2
WHEN USING ENGINEERS' SCALE (1:60)

Site: Continental Heat Treating EPA ID#: CAD 053858296

Aka: _____ SSID: _____

Address: 10643 S. Norwalk Blvd

City: Santa Fe Springs State: Ca. ZIP Code: 90670

Site Reference Point: _____

Topo Map: Whittier Township: 3 N/S Range: 11 E/W

Scale: 1:24,000 Map Date: 1965 Section: ___ 1/4 ___ 1/4 ___ 1/4 ___

Map Datum: Meridian: San Bernadino Baseline

Coordinates from lower right (southeast) corner of 7.5-minute map:

Latitude: 33 ° 52 ' 30 " Longitude: 118 ° 00 ' 00 "

Coordinates from lower right (southeast) corner of 2.5-minute sub-map:

Latitude: ___ ° ___ ' ___ " Longitude: ___ ° ___ ' ___ "

Calculations: Latitude (7.5-minute Quadrangle Map)

A) Number of ruler divisions from bottom latitude line to Site: _____

B) Number of ruler divisions equal to 2.5 minutes of latitude: (454): _____

C) Divide divisions to site (A) by (B): _____

D) Multiply (C) by 150 seconds: _____ . _____ "

E) Convert (D) to minutes/seconds _____ ' _____ . _____ "

60 seconds = 1 minute
120 seconds = 2 minutes

F) Add to starting latitude: ___ ° ___ ' ___ " + ___ ° ___ ' ___ . ___ " = ___ ° ___ ' ___ . ___ "

Calculations: Longitude (7.5-minute Quadrangle Map)

A) Number of ruler divisions from right longitude line to Site: _____

B) Number of ruler divisions equal to 2.5 minutes of longitude: (454): _____

C) Divide distance to Site (A) by (B): _____

D) Multiply (C) by 150 seconds: _____ . _____ "

E) Convert (D) to minutes/seconds: _____ ' _____ . _____ "

60 seconds = 1 minute
120 seconds = 2 minutes

F) Add to starting longitude: ___ ° ___ ' ___ " + ___ ° ___ ' ___ . ___ " = ___ ° ___ ' ___ . ___ "

Enter final latitude/longitude calculation, rounding to the nearest 1/2 second (i.e., .0 or .5):

Final Latitude 33 ° 56 ' 0.9 " **Final Longitude** 118 ° 04 ' 28.0 "

Investigator: _____ Date: _____

EPA Potential Hazardous Waste Site Preliminary Assessment Form

Identification

State: CA | CERCLIS Number: CADO53858296

CERCLIS Discover Date: May 1, 1998

1. General Site Information

Name: Continental Heat Treating

Street: 10643 South Norwalk Blvd.

City: Santa Fe Springs | State: CA. | Zip Code: 90670 | County: L.A.

Latitude: 33° 56' 0.9"

Longitude: 118° 04' 28.0"

Approximate Area of Site: 1.5 Acres / _____ Square Ft.

Status of Site: ☑ Active ☐ Inactive ☐ Not Specified ☐ NA

County Code:

Cong. Dist.:

2. Owner/Operator Information

Owner	Operator
MR. Stall	
Street: 10643 Norwalk Blvd.	Street:
City: Santa Fe Springs	City:
State: CA / Zip Code: / Telephone:	State: / Zip Code: / Telephone:

Type of ownership

☑ Private ☐ Federal Agency ☐ State ☐ Indian ☐ County ☐ Municipal ☐ Not Specified ☐ Other

How Initially Identified

☐ Citizen Complaint ☐ PA Petition ☐ State/Local Program ☐ RCRA/CERCLA Notification ☐ Federal Program ☐ Incidental ☐ Not Specified ☐ Other

3. Site Evaluator Information

Evaluator: Lori Parnass | Agency/Organization: CAL/EPA Department of Toxic Substances | Date Prepared: 05/30/01

Street: 1011 N. Grandview | City: Glendale | State: CA.

Name of EPA or State Agency Contact | Street:

City: | State: | Telephone:

4. Site Disposition (for EPA use Only)

Emergency Response/Removal Assessment Recommendations

☐ Yes ☐ No ☐ Date:

CERCLIS Recommendations:

☐ Higher Priority SI ☐ Lower Priority SI ☐ NFRAP ☐ RCRA ☐ Other ☐ Date:

Signature:

Names (typed)

Position:

CERCLIS Number:

5. General Site Characteristics

Predominant Land Uses Within 1 Mile of Site (Check all that apply):

- [x] Industrial
- [ ] Commercial
- [ ] Residental
- [ ] Forest/Fields
- [ ] Agriculture
- [ ] Mining
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [ ] Other Federal Facility
- [ ] Other

Site Setting:

- [x] Urban
- [ ] Suburban
- [ ] Rural

Years of Operation:

Beginning Year 1969

Ending Year _____

- [ ] Unknown

Type of Site Operations (Check all that apply):

- [x] Manufacturing
  - [ ] Lumber and Wood Products
  - [ ] Inorganic Chemicals
  - [ ] Plastic and/or Rubber Products
  - [ ] Paints, Varnishes
  - [ ] Industrial Organic Chemicals
  - [ ] Agricultural Chemicals (e.g., pesticides, fertilizers)
  - [ ] Miscellaneous Chemical Products (e.g., adhesives, explosives, ink)
  - [ ] Primary Metals
  - [ ] Metal Coating, Plating, Engraving
  - [ ] Metal Forging, Stamping
  - [ ] Fabricated Structural Metal Products
  - [ ] Electronic Equipment
  - [ ] Other Manufacturing
- [ ] Mining
  - [ ] Metals
  - [ ] Coal
  - [ ] Oil and Gas
  - [ ] Non-metalic Minerals
- [ ] Retail
- [ ] Recycling
- [ ] Junk/Salvage Yard
- [ ] Municipal Landfill
- [ ] Other Landfill
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [ ] Other Federal Facility
- [ ] RCRA
  - [ ] Treatment, Storage, or Disposal
  - [ ] Large Quantity Generator
  - [ ] Small Quantity Generator
  - [ ] Subtitle D
    - [ ] Municipal
    - [ ] Industrial
  - [ ] "Converter"
  - [ ] "Protective Filer"
  - [ ] "Non- or Late Filer"
- [ ] Not Specified
- [ ] Other _____

Waste Generated:

- [x] Onsite
- [ ] Offsite
- [ ] Onsite and Offsite

Waste Deposition Authorized By:

- [ ] Present Owner
- [ ] Former Owner
- [ ] Present and Former Owner
- [ ] Unauthorized
- [ ] Unknown

Waste Accessible to the Public:

- [ ] Yes
- [x] No

Distance to Nearest Dwelling, School, or Workplace:

_____ Feet

6. Waste Characteristics Information

Source Type: (Check all that apply)	Source Waste Quantity (include units)	Tier *:
[ ] Landfill		
[ ] Surface Impoundment		
[ ] Drums		
[x] Tanks and non-Drum Containers		
[ ] Chemical Waste Pile		
[ ] Scrap Metal or Junk Pile		
[ ] Tailings Pile		
[ ] Trash Pile (open dump)		
[ ] Land Treatment		
[ ] Contaminated Ground Water Plume (unidentified source)		
[ ] Contaminated Surface Water/Sediment (unidentified source)		
[x] Contaminated Soil		
[ ] Other: _____		
[ ] No Sources		

* C = Constituent, W = Wastestream, V = Volume, A = Area

General Types of Waste (check all that apply):

- [ ] Metals
- [x] Organics
- [ ] Inorganics
- [ ] Solvents
- [ ] Paints/Pigments
- [ ] Laboratory/Hospital Waste
- [ ] Radioactive Waste
- [x] Oily Waste
- [ ] Pesticides/Herbicides
- [ ] Acids/Bases
- [ ] Construction/Demolition Waste
- [ ] Municipal Waste
- [ ] Mining Waste
- [ ] Explosives
- [ ] Other

Physical State of Waste as Deposited (check all that apply):

- [ ] Solid
- [x] Gas
- [x] Liquid
- [ ] Powder
- [ ] Sludge

CERCLIS Number:

7. Ground Water Pathway

Is Ground Water Used for Drinking Water Within 4 Miles:

☒ Yes
☐ No

Is There a Suspected Release To Ground Water:

☒ Yes
☐ No

List Secondary Target Population Served by Ground Water Withdrawn From:

0 - 1/4 Mile _____

> 1/4 - 1/2 Mile _____

> 1/2 - 1 Mile _____

> 1 - 2 Miles _____

> 2 - 3 Miles _____

> 3 - 4 Miles _____

Total Within 4 Miles _____

Type of Drinking Water Wells Within 4 Miles (Check all that apply)

☒ Municipal
☐ Private
☐ None

Have Primary Target Drinking Water Wells Been Identified:

☒ Yes
☐ No

If Yes, Enter Primary Target Population:

_____ People

Depth to Shallowest Aquifer:

60 Feet

Karst Terrain/Aquifer Present:

☐ Yes
☒ No

Nearest Designated Wellhead Protection Area:

☐ 0 - 1/4 Mile
☐ >1/4 Mile - 4 Miles
☐ None Within 4 Miles

8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (Check all that apply)

☐ Stream ☐ River ☐ Pond ☐ Lake
☐ Bay ☐ Ocean ☐ Other_____

Shortest Overland Distance From Any Source to Surface Water:

_____ Feet

_____ Miles

Is There a Suspected Release to Surface Water:

☐ Yes
☐ No

Site is Located in:

☐ Annual - 10 yr Floodplain
☐ > 10 yr - 100 yr Floodplain
☐ > 100 yr - 500 yr Floodplain
☐ > 500 yr Floodplain

Drinking Water Intakes Located Along the Surface Water Migration Path:

☐ Yes
☐ No

Have Primary Target Drinking Water Intakes Been Identified:

☐ Yes
☐ No

If Yes, Enter Population Served by Primary Target Intakes:

_____ People

List All Secondary Target Drinking Water Water Intakes:

Name	Water Body	Flow (cfs)	Population Served

Total within 15 Miles _____

Fisheries Located Along the Surface Water Migration Path:

☐ Yes
☐ No

Have Primary Target Fisheries Been Identified:

☐ Yes
☐ No

List All Secondary Target Fisheries:

Waterbody/Fishery Name	Flow (cfs)

CERCLIS Number:

8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:

☐ Yes
☐ No

Have Primary Target Wetlands Been Identified:

☐ Yes
☐ No

List Secondary Target Wetlands:

Water Body	Flow (cfs)	Frontage Miles

Other Sensitive Environments Located Along the Surface Water Migration Path:

☐ Yes
☐ No

Have Primary Sensitive Environments Been Identified:

☐ Yes
☐ No

List Secondary Target Sensitive Environments:

Water Body	Flow (cfs)	Sensitive Environment Type

9. Soil Exposure Pathway

Are People Occupying or Attending School or Day Care on or Within 200 Feet of Areas of Known or Suspected Contamination:

☐ Yes
☐ No

If Yes, Enter total Resident Population:

_____ People

Number of Workers Onsite:

☐ None
☐ 1 - 100
☐ 101 - 1,000
☐ > 1,000

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of the Site.

☐ Yes
☐ No

If Yes, List Each Terrestrial Sensitive Environment

_____
_____
_____

10. Air Pathway

Is There a Suspected Release to Air:

☐ Yes
☐ No

Enter Total Population on or Within:

Onsite _____

0 - 1/4 Mile _____

> 1/4 - 1/2 Mile _____

> 1/2 - 1 Mile _____

> 1 - 2 Miles _____

> 2 - 3 Miles _____

> 3 - 4 Miles _____

Total Within 4 Miles _____

Wetlands Located Within 4 Miles of the Site:

☐ Yes
☐ No

Other Sensitive Environments Located Within 4 Miles Of The Site:

☐ Yes
☐ No

List All Sensitive Environments Within 1/2 Mile of the Site:

Distance	Sensitive Environmental Type/Wetlands Area (acres)
Onsite	
0 - 1/4 Mile	
> 1/4 Mile - 1/2 Mile	

LATITUDE AND LONGITUDE CALCULATION WORKSHEET #2
WHEN USING ENGINEERS' SCALE (1:60)

Site: Continental Heat Treating EPA ID#: CAD 053858296

Aka: _____ SSID: _____

Address: 10643 S. Norwalk Blvd.

City: Santa Fe Springs State: Ca. ZIP Code: 90670

Site Reference Point: _____

Topo Map: Whittier Township: 3 N/S Range: 11 E/W

Scale: 1:24,000 Map Date: 1965 Section: ___ 1/4 ___ 1/4 ___ 1/4 ___

Map Datum: Meridian: San Bernadino Baseline

Coordinates from lower right (southeast) corner of 7.5-minute map:

Latitude: 33 ° 52 ' 30 " Longitude: 118 ° 00 ' 00 "

Coordinates from lower right (southeast) corner of 2.5-minute sub-map:

Latitude: ___ ° ___ ' ___ " Longitude: ___ ° ___ ' ___ "

Calculations: Latitude (7.5-minute Quadrangle Map)

A) Number of ruler divisions from bottom latitude line to Site: _____

B) Number of ruler divisions equal to 2.5 minutes of latitude: (454): _____

C) Divide divisions to site (A) by (B): _____

D) Multiply (C) by 150 seconds: _____ . _____ "

E) Convert (D) to minutes/seconds _____ ' _____ . _____ "

60 seconds = 1 minute
120 seconds = 2 minutes

F) Add to starting latitude: ___ ° ___ ' ___ " + ___ ° ___ ' ___ . ___ " = ___ ° ___ ' ___ . ___ "

Calculations: Longitude (7.5-minute Quadrangle Map)

A) Number of ruler divisions from right longitude line to Site: _____

B) Number of ruler divisions equal to 2.5 minutes of longitude: (454): _____

C) Divide distance to Site (A) by (B): _____

D) Multiply (C) by 150 seconds: _____ . _____ "

E) Convert (D) to minutes/seconds: _____ ' _____ . _____ "

60 seconds = 1 minute
120 seconds = 2 minutes

F) Add to starting longitude: ___ ° ___ ' ___ " + ___ ° ___ ' ___ . ___ " = ___ ° ___ ' ___ . ___ "

Enter final latitude/longitude calculation, rounding to the nearest 1/2 second (i.e., .0 or .5):

Final Latitude 33 ° 56 ' 0.9 " **Final Longitude** 118 ° 04 ' 28.0 "

Investigator: _____ Date: _____

REFERENCES

SITE ID	EPA ID NO.	SITE NAME / STREET / CITY / COUNTY CODE AND NAME / (ASSOCIATED NPL SITE) / (ASSOCIATED NPL ID)	STATE ZIP / CONG DIST.	OP UNIT	ACTION CODE, NAME	SEQ	ACTION QUALIFIER	ACTUAL START DATE	ACTUAL COMPLETE DATE	ACTION LEAD
Region: 09										
0505482	CAD095631719	CONTINENTAL HEAT TREATING 10643 SOUTH NORWALK BOULEVARD SANTA FE SPRINGS LOS ANGELES	CA							
				00	DS DISCVRY	001			05/01/1998	State (Fund)

RCRIS GENERATOR/TDS - REGION 3/4
DATE 01/12/97 (HOLMES)
BY COUNTY - L=LANDDISP S=STORAGE/TREATMENT

NAME	HID_NUM	HLOCSTRT1	CITY	CNTY	GEN	PMTTSD	CLZTSD	PCLZTSD
CIGNA HEALTH PLAN OF CA L	CAD981453855	9920 PIONEER BLVD	SANTA FE SPRING	LOS ANGELES				
CITY STEEL TREATING INC	CAD981983554	13007 LOS NIETOS RD	SANTA FE SPRING	LOS ANGELES				
CLASSIC AUTOMOTIVE	CAD982338550	10638 F S PAINTER	SANTA FE SPRING	LOS ANGELES				
CLOVER ENTERPRISES, INC	CAD008319733	13701 EXCELSIOR DR	SANTA FE SPRING	LOS ANGELES				
COAST IRON & STEEL CO	CAD982514739	12300 E LAKELAND RD	SANTA FE SPRING	LOS ANGELES				
COASTAL TAG CO	CAD982021875	13233 BARTON CIRCLE	SANTA FE SPRING	LOS ANGELES				
COCHRAN IZANT & CO INC	CAD982506131	13344 CAMBRIDGE ST	SANTA FE SPRING	LOS ANGELES				
COLONIAL PRINTING INK CO	CAD096418314	13930 BORATE ST	SANTA FE SPRING	LOS ANGELES				
COLORADO PUMP & VALVE INC	CAD981435241	13554 LARWIN CIRCLE	SANTA FE SPRING	LOS ANGELES				
COMM AIR MECH SER	CAD982324691	12774 EAST FLORENCE AVE	SANTA FE SPRING	LOS ANGELES				
COMPRESSOR SVC CO	CAD981435795	15629 CLANTON CIRCLE	SANTA FE SPRING	LOS ANGELES				
CONNECTICUT GEN LIFE INS	CAD983593781	10833 SHOEMAKER AVE	SANTA FE SPRING	LOS ANGELES				
CONSOLIDATED DSPL SERV.	CAD063830988	12235 LOS NIETOS RD	SANTA FE SPRING	LOS ANGELES				
CONTINENTAL HEAT TREATING	CAD095631719	10643 S NORWALK BLVD	SANTA FE SPRING	LOS ANGELES				
COPLEY SANTA FE SPRINGS N	CAD981428493	9750 NORWALK BLVD	SANTA FE SPRING	LOS ANGELES				
CROCKETT CONTAINER CORP	CAD053887923	9211 NORWALK BLVD	SANTA FE SPRING	LOS ANGELES				
CUSTOM CHEMICAL FORMULATO	CAD008237885	8707 MILLERGROVE DR	SANTA FE SPRING	LOS ANGELES				
CUSTOMVILLE AUTO BODY & P	CAD980891394	12626 CARMENITA RD	SANTA FE SPRING	LOS ANGELES				
D R PRINTING	CAD982505711	13659 E ROSECRANS L	SANTA FE SPRING	LOS ANGELES				
DARCO INC	CAD982504599	10135 GEARY AVE	SANTA FE SPRING	LOS ANGELES				
DART IND INC	CAD043541846	13911 E GANNET ST	SANTA FE SPRING	LOS ANGELES				
DE LAROSA REPAIR SERVICE	CAD981994999	10624 FOREST ST	SANTA FE SPRING	LOS ANGELES				
DELTA MAGNETICS INC	CAD982517997	10039 S PIONEER	SANTA FE SPRING	LOS ANGELES				
DELTA SYSTEMS	CAD042242891	8137 SO ALLPORT AVE	SANTA FE SPRING	LOS ANGELES				
DIESEL RECON COMPANY	CAD098619646	14044 FREEWAY DRIVE	SANTA FE SPRING	LOS ANGELES	X			
DISCOUNT ENGINE	CAD981670458	14946 SHOE MAKER #M	SANTA FE SPRING	LOS ANGELES				
DIVERSEY CORP	CAD046455747	8921 DICE RD	SANTA FE SPRING	LOS ANGELES	X			
DUNCAN INDUSTRIES INC	CAD008314643	12110 CLARK ST	SANTA FE SPRING	LOS ANGELES				
DURA STEEL CARMENITA PROP	CAD050105105	13901 S CARMENITA RD	SANTA FE SPRING	LOS ANGELES				
DYNAMIC ENTERPRISES INC	CAD982356040	10015 GREENLEAF AVE	SANTA FE SPRING	LOS ANGELES				
EAGLE TRUCK PAINTING	CAD981449507		SANTA FE SPRING	LOS ANGELES				
EARL MANUFACTURING CO INC	CAD008246845	11862 BURKE ST	SANTA FE SPRING	LOS ANGELES				
EARTH MANAGEMENT	CAD982512725	13415 CARMENITA ROAD	SANTA FE SPRING	LOS ANGELES				
EARTH MANAGEMENT CO	CAD982412140	13415 CARMENITA ROAD	SANTA FE SPRING	LOS ANGELES				
EDWARD FINEMAN CO	CAD983581505	13215 CAMBRIDGE	SANTA FE SPRING	LOS ANGELES				
ELECTRO-CAL PLATING CO	CAT080014541	12831 MARQUARDT AVE	SANTA FE SPRING	LOS ANGELES				
ELECTRONIC CHROME CO INC	CAD008391427	9132 DICE RD	SANTA FE SPRING	LOS ANGELES	X			
ELLISON MACHINERY INTERNA	CAD982435570	11801 E SMITH AVE	SANTA FE SPRING	LOS ANGELES				
ENVIRONMENTAL CONTROL SYS	CAD981428568	10811 SHOEMAKER AVE	SANTA FE SPRING	LOS ANGELES				
EPMAR CORP	CAD981399207	13210 E BARTON CIR	SANTA FE SPRING	LOS ANGELES				
EPMAR CORP	CAD981453905	13210 E. BARTON CIRCLE	SANTA FE SPRING	LOS ANGELES				
EQUIPMENT CO OF LA	CAD981442619	14100 ALONDRA	SANTA FE SPRING	LOS ANGELES				
FAMCO GARAGE	CAD982013351	11520 BLOOMFIELD AVE	SANTA FE SPRING	LOS ANGELES				
FEDCO INC	CAD982503138	9400 SANTA FE SPRINGS RD	SANTA FE SPRING	LOS ANGELES				
FINE LINE PAINT CORP	CAD008263048	12200 LOS NIETOS RD	SANTA FE SPRING	LOS ANGELES				
FIVEPLANTS ASSN SANTA FE	CAT000624270	13000 ARTIC CIR DR	SANTA FE SPRING	LOS ANGELES				

Lori

Department of Toxic Substances Control

Edwin F. Lowry, Director
1011 North Grandview Avenue
Glendale, California 91201

Winston H. Hickox
Agency Secretary
California Environmental
Protection Agency

Gray Davis
Governor

December 14, 2000

CERTIFIED MAIL

Mr. James G. Skull, President
Continental Heat Treating
10643 South Norwalk Boulevard
Santa Fe Springs, California 90670-3821

SCHEDULED SITE VISIT

Dear Mr. Skull:

The Department of Toxic Substances Control (DTSC) is currently a contractor to the U.S. Environmental Protection Agency (EPA). Pursuant to Section 104 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA or Superfund), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), and to Section 3007 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984 (HSWA), the EPA is conducting a nationwide inventory and screening of sites and facilities where hazardous substances may be located. Under the contractual relationship with the EPA, DTSC is responsible for assisting the EPA in identifying and investigating such potential sites. The EPA has requested DTSC to conduct a Preliminary Assessment (PA) of the Continental Heat Treating property at 10643 South Norwalk Boulevard, Santa Fe Springs.

A PA is a limited-scope investigation of sites on the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database. PA investigators collect readily available information, conduct a "walk around" of the site and its immediate environs, and interview the site representative. The PA is designed to distinguish between sites that pose little or no threat to human health and the environment and sites that require further investigation to make such a determination. The PA also identifies sites requiring assessment for possible emergency response actions.

Ms. Lori Parnass discussed with you in a phone conversation on December 7, 2000, that a site visit at 10643 South Norwalk Boulevard is planned for the following date and time:

December 15, 2000
at 8:30 a.m.

Upon arrival at the site, Ms. Lori Parnass will introduce herself and request a walkthrough of the facility. Ms. Parnass will take photographs and collect information about the site, which will be incorporated into the PA. After the walkthrough Ms. Parnass will discuss the information requested by this letter.

Pursuant to applicable provisions of Section 104 of CERCLA; Section 3007 of the Resource Conservation and Recovery Act (RCRA); Section 9 of the Federal Insecticide, Fungicide, and Rodenticide Act; Section 3 of the Toxic Substances Control Act; and Section 308 of the Clean Water Act, EPA hereby requests that you make the following information available to DTSC prior to or at the time of the facility visit:

Ownership and operational history of the site.

Site plans, facility maps, and historical aerial photographs, if available, showing the locations of any hazardous substances, pollutant or contaminant, management activities, wells, buildings, drainage, and any other relevant features.

List of all hazardous substances, pollutants or contaminants generated, stored, treated, transported from or disposed of at the facility, including dates and amounts, if known.

Description of past and present waste management practices, including onsite generation, storage, treatment, disposal or removal of hazardous substances, pollutants or contaminants.

Description of all onsite hazardous substances or pollutants and contaminant storage, treatment or disposal areas, including size, containment features, dates used, and amounts of materials stored, treated or disposed of.

Description of any releases of hazardous substances to the environment, including dates and regulatory agency response to the releases, if any.

Description of any environmental or public health regulatory or enforcement agency involvement at the facility.

Description of all federal, state, and local permits held by the facility, include permit number, issuance and expiration dates. Also describe any occurrence of noncompliance with these permits.

Please see the accompanying Attachment A regarding confidential business information. If you wish to comment on the confidentiality of the information requested or the EPA's release of such confidential information to the public, you must do so in writing within five (5) days from your receipt of this letter.

Submit any such comments to:

Ms. Betsy Curnow, Chief
Site Evaluation Section (H-8-1)
U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, California 94105

Please call me if you wish to discuss this letter or our upcoming visit. I may be reached at (818) 551-2877. Please feel free to invite anyone to the meeting and site visit who can provide the information requested above. You may also discuss this matter with Ms. Rachel Loftin, EPA Region IX Superfund Project Officer for California, at (415) 744-2348.

Sincerely,

Harlan R. Jeche

Harlan R. Jeche
Unit Chief
Southern California Cleanup Operations - Glendale Office

Certified Mail 7099 3220 0008 0830 0780
Return Receipt Requested

Attachment

cc: Ms. Rachel Loftin
Superfund Project Officer
Environmental Protection Agency
75 Hawthorne Street
San Francisco, California 94105

Attachment A

Access to the information requested by EPA in the accompanying letter must be provided notwithstanding its possible characterization as confidential information or trade secrets. You may, if you desire, assert a confidentiality claim covering part of all of the information requested, pursuant to CERCLA Section 104(e) and 40 C.F.R. Section 2.203(b), by attaching to such information at the time EPA's duly designated representative is provided access to such information, a cover sheet, stamped or typed legend, or some other suitable form of notice employing language such as "trade secret", "proprietary", or "confidential business information". Information covered by such a claim will be released by EPA or its representatives only to the extent authorized by CERCLA Section 104(e). If no such claim accompanies the information when it is released to EPA's duly designated representative, it may be made available to the public by EPA and its representatives without further notice to you. You should read the above-cited regulations carefully before asserting a business confidentiality claim, since certain categories of information are not properly the subject of such claim.

The regulations of 40 C.F.R. Section 2.211 preclude EPA employees from wrongfully using or disclosing any business information that was obtained during the performance of the employee's official duties. In addition, EPA employees must take all appropriate action to safeguard business information from improper disclosure. EPA employees who violate these requirements are subject to dismissal, suspension or fines. Criminal action may be taken against EPA employees who willfully disclose confidential business information. A contractor with EPA who obtains business information during execution of an EPA contract can disclose information only as allowed in the contract. EPA regulations on confidentiality in 40 CFR Part 2 Subpart B require that the contractor agree to the clause entitled, "Treatment of Confidential Business Information" before any confidential business information may be furnished to the Contractor.

This letter serves as notice to you, pursuant to 40 CFR Section 2.310(h), of the contemplated disclosure by EPA of the information at your facility relating to (1) any materials which have been or are generated, treated, stored, disposed of, or transported from the facility, and (2) your ability to pay for or to perform a cleanup. EPA plans to disclose this information to the Department of Toxic Substances Control (DTSC); this disclosure is necessary in order for DTSC to carry out the inspection of your facility, including document review and copying. Pursuant to 40 CFR Section 2.310(h), you may submit comments to EPA on EPA's disclosure of confidential business information of its authorized representatives. Any comments on this contemplated disclosure must be submitted to EPA within 5 days of your receipt of this letter. Submit any such comments to:

Ms. Betsy Curnow, Chief
Site Evaluation Section (H-8-1)
Environmental Protection Agency
75 Hawthorne Street
San Francisco, California 94105

Failure to submit your comments in a timely manner shall not because for refusal to allow DTSC access to the requested records.

Fire Department
CITY OF SANTA FE SPRINGS

HEADQUARTERS FIRE STATION - (310) 944-9713 - FAX (310) 941-1617
11300 GREENSTONE AVE. - SANTA FE SPRINGS 90670-4612

James G. Stull, President
Continental Heat Treating, Inc.
10643 S. Norwalk Blvd.
Santa Fe Springs, CA 90670

September 12, 1997

Dear Mr. Stull:

SUBJECT: REQUEST FOR CLEAN CLOSURE LETTER
CONTINENTAL HEAT TREATING, INC.
10743 SOUTH NORWALK BOULEVARD, SANTA FE SPRINGS, CA 906760

The Santa Fe Springs Fire Department (SFSFD) has completed a review of the report entitled "Site Assessment Report", dated May 6, 1997, submitted by your consultant, EST, and the letter to you of May 27, 1997, from the Los Angeles County Fire Department, Health Hazardous Materials Division, Site Mitigation Unit. The available data indicates that known PCE and TCE contamination around the location of the former vapor degreaser is below current soil clean-up action levels, although the data indicates a column of PCE contamination sufficient to threaten groundwater, from 40 ug/Kg @ 5' below ground surface (bgs) to 5 ug/Kg @ 55' bgs, then increasing to 130 ug/Kg @ 60' bgs. First groundwater was reported at 63' bgs.

Also, the available data from soil gas studies indicates the presence of PCE in soils on the northwest corner of the site (SG 14), at levels which represent around 41 mg/Kg soil @ 15' bgs. This contamination is considerably above current soil screening action levels, and may also represent a threat to ground water. We understand that this site is already referred to the Los Angeles Regional Water Quality Control Board (LARWQCB). Based on the available data to date, the SFSFD cannot issue a closure letter at this time.

Before the SFSFD would consider further oversight at this site, the SFSFD would require evaluation of groundwater threat from known halogenated volatile organic compound (HVOC) contamination found at SG 14. This would require installation of a soil boring to groundwater with undisturbed soil samples taken every 5' and at significant changes in lithology, and with groundwater sampling. The samples would have to be taken, handled, analyzed, and reported in accordance with Los Angeles Regional Water Quality Control Board (LARWQCB) standards. Soil sample analyses by EPA Method 8260 and groundwater analyses by currently RWQCB-approved GC/MS screening method would be required. Installation of this boring as a monitoring well to RWQCB standards is advised. Any of this work would have to be in accordance with a workplan approved by the SFSFD. Current guidance used by the SFSFD includes the State Department of Toxic Substances Control (DTSC) Preliminary Endangerment Assessment Manual (PEA), as well as LARWQCB analytical and reporting standards.

Page 2
James G. Stull, President
September 12, 1997

If the additional data indicated that there was no significant threat to groundwater from contamination at SG [illegible] SFSFD would consider oversight of further site assessment and corrective action at your [illegible] which could result in a letter from the SFSFD letter stating that the soils at the site appear to meet current cleanup guidelines based upon available data. However, the LARWQCB may determine that [illegible]dual contamination poses a risk to groundwater under their regulations.

If you desire the SFSFD [illegible]ceed, p[illegible] a workplan for the additional boring by October 15, 1997, for revie[illegible]d approv[illegible] SFSFD. If we do not receive this workplan by that date, the SFSFD will refer this site to the DTSC for appropriate action.

Following review of the data from this additional work, the SFSFD will explore oversight options under [illegible]rrent law, which involve approval of the DTSC and the LARWQCB for local agency over[illegible]at this time.

Should you have any questions re[illegible] this matter, please contact Steve Chase of this office.

Sincerely,

NORBERT P. SCHNABEL, FIRE CHIEF

Dave Klunk,
Director of Environmental Services

DK/sc

CC: J.E. Ross, LARWQCB

OUNTY OF LOS ANGELES
FIRE DEPARTMENT
1320 NORTH EASTERN AVENUE
LOS ANGELES, CALIFORNIA 90063-3294

5

P. MICHAEL FREEMAN
FIRE CHIEF
FORESTER & FIRE WARDEN

Refer reply to:
HEALTH HAZARDOUS MATERIALS DIVISION
5825 Rickenbacker Rd
Commerce CA 90040-3027

June 3, 1997

J. E. Ross,
Los Angeles Regional Water Quality Control Board
101 Centre Plaza Drive
Monterey Park, CA 91754

Dear Mr. Ross:

SUBJECT: **CONTINENTAL HEAT TREATING INC., 10643 S. NORWALK BLVD., SANTA FE SPRINGS, CA 90670**

This letter is to refer a hazardous material release site with a present or likely imminent groundwater impact to your agency's attention and lead agency oversight.

Findings from a subsurface investigation of the subject site ("Site Assessment Report," dated May 6, 1997) document a maximum 130 µg/Kg PCE soil contamination at 60' below ground surface (bgs), with on-site groundwater discovered at 68' bgs. From these results, sufficient evidence exists that on-site sources may have contributed to contamination of groundwater resources.

As of July 1, 1997, the Santa Fe Springs Fire Department is the only local agency with enforcement authority over the Hazardous Waste Control Law (CA H&SC Division 20, Chap. 6.5) in their city. All active and closed Site Mitigation Unit (SMU) cases/files in the Santa Fe Springs jurisdiction are being referred to that local agency. Consistent with previous referral protocols between our agencies, however, sites with confirmed and/or threatened groundwater resource impact are transferred to your agency and/or the Department of Toxic Substances Control (DTSC).

All historical records of this case are being transferred to the Santa Fe Springs Certified Unified Program Agency (CUPA). Dave Klunk, Director of Environmental Protection, Santa Fe Springs Fire Department, 11300 Greenstone Ave., Santa Fe Springs, CA 90670-4619 is now in receipt of these case files.

If you have any questions, please feel free to call George Baker at (213) 890-4109.

Very truly yours,

THOMAS W. KLINGER, SUPERVISOR
SITE MITIGATION UNIT
HEALTH HAZARDOUS MATERIALS DIVISION

TK:gb

c: J. G. Stull, Continental Heat Treating, Inc.
D. Klunk, SFSFD

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

BULLETIN NO. 104

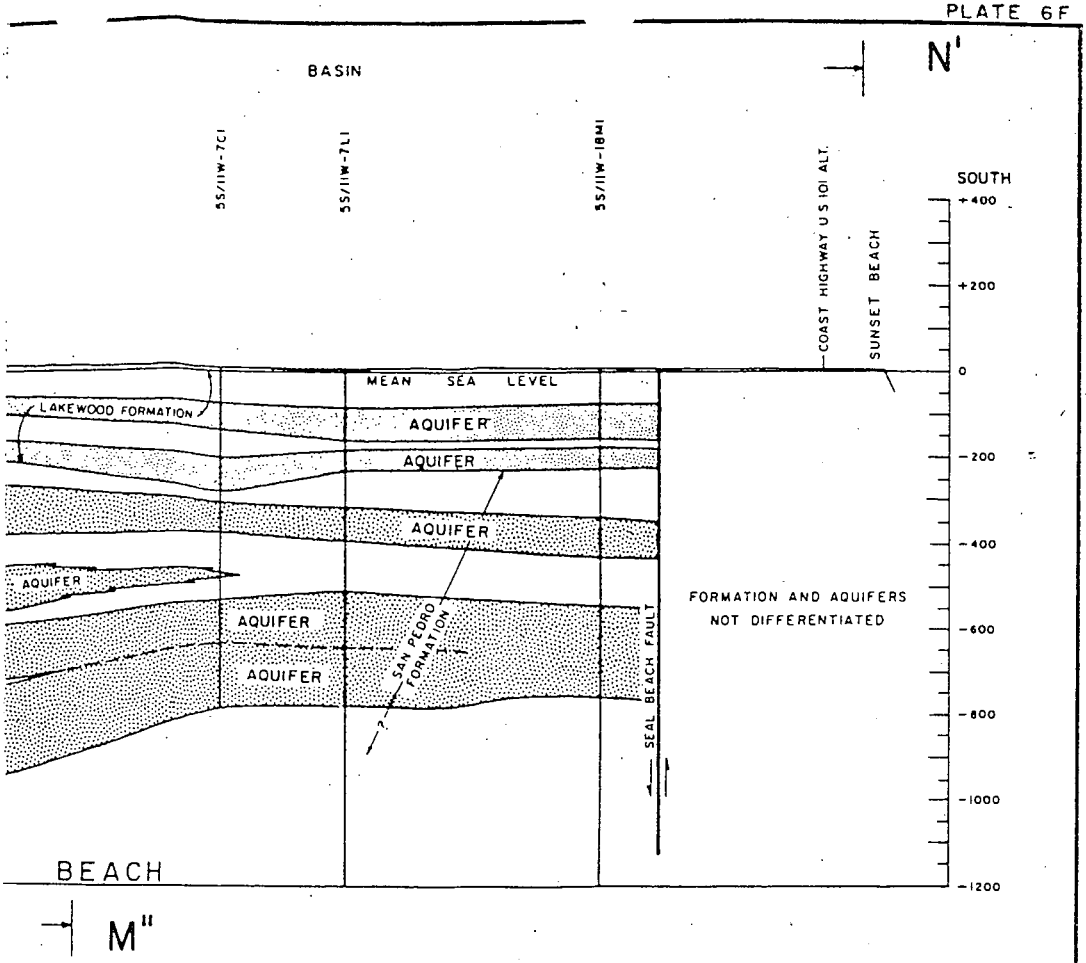
PLANNED UTILIZATION OF THE GROUND WATER BASINS OF THE COASTAL PLAIN OF LOS ANGELES COUNTY

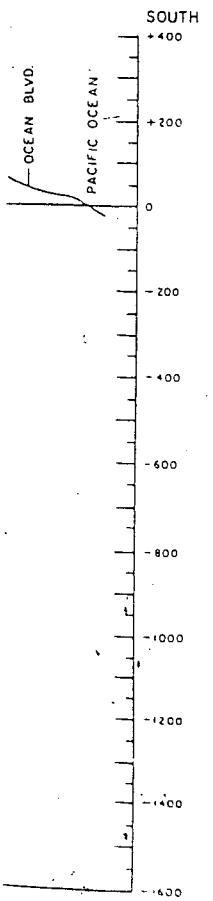
APPENDIX A
GROUND WATER GEOLOGY

EDMUND G. BROWN
Governor

WILLIAM E. WARNE
Director

JUNE 1961





LEGEND

- AQUICLUDES AND DEEPER UNDIFFERENTIATED FORMATIONS
- AQUIFERS IN RECENT ALLUVIUM (INCLUDES THE GASPUR AND BALLONA AQUIFERS)
- AQUIFERS IN LAKEWOOD FORMATION (INCLUDES THE ARTESIA, EXPOSITION, GAGE, AND GARDENA AQUIFERS)
- AQUIFERS IN SAN PEDRO FORMATION (INCLUDES THE HOLLYDALE, JEFFERSON, LYNWOOD, SILVERADO, AND SUNNYSIDE AQUIFERS)
- WATER WELLS
- OIL WELLS
- FAULTS
- ✳ BOUNDARY BETWEEN FOREBAY AND PRESSURE AREA AS SHOWN ON PLATE 2 OF THIS REPORT

NOTE: LOCATIONS OF GEOLOGIC SECTIONS ARE SHOWN ON PLATE 3A AND 3B

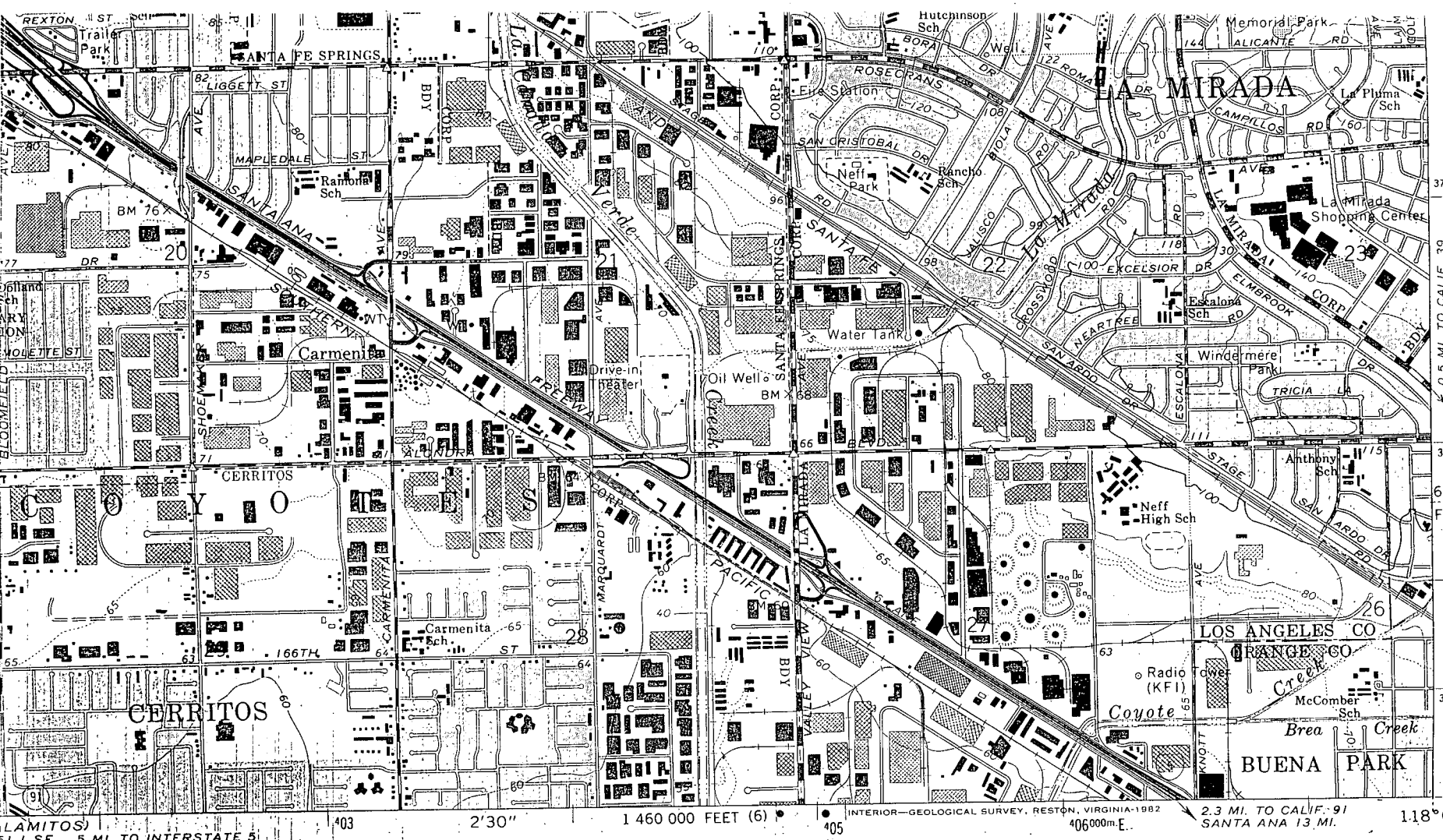
STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
SOUTHERN CALIFORNIA DISTRICT

GROUND WATER GEOLOGY OF THE COASTAL PLAIN OF LOS ANGELES COUNTY

IDEALIZED GEOLOGIC SECTIONS M-M'-M" AND N-N'

HORIZONTAL SCALE OF FEET
2000 0 2000 4000 6000

1961



1:24 000

0 1 MILE

3000 4000 5000 6000 7000 FEET

0 1 KILOMETER

TERVAL 20 FEET
ESENT 5-FOOT CONTOURS
VERTICAL DATUM OF 1929

TIONAL MAP ACCURACY STANDARDS
ER, COLORADO 80225 OR RESTON, VIRGINIA 22092
PS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

Heavy-duty ——— Light-duty ———

Medium-duty ——— Unimproved dirt ==========

Interstate Route State Route

CALIF.

QUADRANGLE LOCATION

Revisions shown in purple and woodland compiled from aerial photographs taken 1978 and other sources. This information not field checked. Map edited 1981

Purple tint indicates extent of urban areas

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA-1982

WHITTIER, CALIF.

N3352.5—W11800/7.5

1965
PHOTOREVISED 1981
DMA 2351 I NE—SERIES V895

8

Northern Trust Bank
620 Newport Center Drive, Suite 200
Newport Beach, California 92660
(949) 717-5500

Northern Trust

October 18, 2000

Ms. Mangulika Chakrabarti
RWQCB
320 W. 4th Street
Los Angeles, CA 90023

Re: Continental Heating Treating
10643 S. Norwalk Blvd., Santa Fe Springs

Dear Ms. Chakrabarti:

As you know Northern Trust Bank of California N.A. and J. Benjamin Hathaway act as Trustees of the Anna A. Hathaway Revocable Trust. The Trust is the landowner of the above referenced property and landlord to Continental Heat Treating. In accordance with our meeting of September 13, 2000 the intent of this letter is to provide the Trustees consent to having the Regional Water Quality Control Board act as lead governmental agency in the oversight of environmental issues involving this site.

Should you need any further information please feel free to contact me.

Sincerely,

Chip Graham

Chip Graham
Vice President
Trust Real Estate

cc: Joseph C. Obegi
James C. Stull, Continental Heat Treating ✓
Chris Welsh
J. Benjamin Hathaway, Co-Trustee
Brenda Nelson, City of Santa Fe Springs, Fire Department
Pat Park

SITE ASSESSMENT REPORT

CONTINENTAL HEAT TREATING
10643 SOUTH NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA

Prepared for:

Continental Heat Treating
10643 South Norwalk Boulevard
Santa Fe Springs, California 90221

Prepared by:

ENVIRONMENTAL SUPPORT TECHNOLOGIES, INC.
23011 Moulton Parkway, Suite E-6
Laguna Hills, California 92653
(714) 457-9664
Fax (714) 457-0664

Project No. EST1315

May 6, 1997

GREEN ENVIRONMENTAL, INC.
6727 Greenleaf Avenue, Whittier, CA 90601 • (310) 698-5338 Fax: (310) 698-6358

11

SITE INVESTIGATION REPORT

CONTINENTAL HEAT TREATING
10643 S. NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA

GEI Project No. 1038-568

PREPARED FOR:

Mr. James Stull
Continental Heat Treating
10643 S. Norwalk Boulevard
Santa Fe Springs, California 90670

PREPARED BY:

Green Environmental, Inc.
6727 Greenleaf Avenue
Whittier, California 90601

March 20, 1995

rec'd 7/11/96 (8)
Paramount

MULTI-DEPTH
SOIL GAS SURVEY REPORT

CONTINENTAL HEAT TREATING
10643 SOUTH NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA

Prepared for:

Continental Heat Treating
10643 South Norwalk Boulevard
Santa Fe Springs, California 90670

Prepared by:

Environmental Support Technologies, Inc.
23011 Moulton Parkway
Suite E-6
Laguna Hills, California 92653

Project No. EST1315

May 8, 1996

12

CONTACT REPORT

AGENCY/AFFILIATION: Southern California Water Company/Norwalk		CODE:
DEPARTMENT: Water Quality		
ADDRESS:12035 Burke St. Suite 1	CITY:Santa Fe Springs	
COUNTY:	STATE: CA	ZIP:90670
CONTACT(S) Scott Zastrow/Jason Wei	TITLE water quality engineer	PHONE 562)907-9200 ext.407/402
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE:12/00
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating	EPA ID: CAD 095631719	

DISCUSSION:

The Southern California Water Company operates a blended drinking water system that consists of 8 wells that serve approximately 40,000 people. Currently, the Southern California Water Company obtains 40% of its drinking water from groundwater and 60% from surface water. No well contributes greater than 40 percent to the system and the system is a blended system. All 8 of the wells operated by the Southern California Water Company are within 4 miles of the site. All wells are impacted with VOC contamination, 1,1 DCE over MCL, PCE and TCE near MCL. The water is treated by a GAC system.

13

CONTACT REPORT

AGENCY/AFFILIATION: Pico Rivera - City, water dept.		CODE:
DEPARTMENT:		
ADDRESS: P.O. Box 1016	CITY: Pico Rivera	
COUNTY:	STATE: CA	ZIP:
CONTACT(S) Adrian Diaz /diazadrian@earthlink.net	TITLE Utility Systems Supervisor	PHONE 562) 801-4316/562) 942-2000
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE:
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating	EPA ID: CAD 095631719	

DISCUSSION:

The City of Pico Rivera operates a blended drinking water system that consists of at least 8 wells (listed below) that serve approximately 36,500 people. Currently, the City of Pico Rivera obtains 50% of its drinking water from groundwater and 50% from surface water. No well contributes greater than 40 percent to the system. All of the listed wells operated by the City of Pico Rivera are within 4 miles of the site.

Well Ids
1910042011 (well W7)

1910042012 (well W8)

1910042013 (well W9)

1910042013 (well W9)

1910042004 (well W11)

1910042005 (well W12)

1910042007 (well W3)

1910042008 (well W4)

1910042009 (well W5)

1910042010 (well W6)

14

CONTACT REPORT

AGENCY/AFFILIATION: Santa Fe Springs - City, water dept.			CODE:
DEPARTMENT:			
ADDRESS: 11710 Telegraph Road		CITY: Santa Fe Springs	
COUNTY:		STATE: CA	ZIP:90670
CONTACT(S) Ron Hughes	TITLE Engineer	PHONE 562) 868-0511 ext. 244	
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE: 12/22/00	
SUBJECT: well and aquifer info			
SITE NAME: Continental Heat Treating		EPA ID: CAD 095631719	

DISCUSSION:

The City of Santa Fe Springs (SFS) operates a blended drinking water system. Currently, the SFS obtains 50% of its drinking of its drinking water from groundwater and 50% from surface water. No well contributes greater than 40 percent to the system. The two (2) wells operated by the City of Santa Fe Springs are within 4 miles of the site.

Population served by SFS = 38,950

CONTACT REPORT

AGENCY/AFFILIATION: Downey - City, water dept.		CODE:
DEPARTMENT:		
ADDRESS: 9252 Stewart and Gary Rd.	CITY: Downey	
COUNTY:	STATE: CA	ZIP: 90241
CONTACT(S) Frank McDonnell/fmcdonel@downeyca.org	TITLE Supervisor	PHONE 562)904-7246/7202 fax)562)869-9832
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE:12/20/00
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating		EPA ID: CAD 095631719

DISCUSSION:
1) 1910034014(well 12(old PWC well 42B)
2) 1910034007 (well 05(stoakes 13)
3) 1910034012 (well 10(old PWC well 42C)
4) 1910034018 (well 16(old well 10)
5) 1910034017 (well 15(old well 06)
6) 1910034025 (well 24 (old PWC well 08 B)
7) 1910034005 (well 02 (old well 08)
8) 1910034004 (well 01(old well 13)
9) 1910034032 (well 04)
10) 1910034011 (well 09 (old well 04)
11) 1910034019 (well 17 (old PWC well 05 E)
12) 1910034016 (well 14(old well 02)
13)1910034009 (well 07 (old well 302)
14) 1910034021 (well 19 (old well 01)
15) 1910034024 (well 23 (old well 07)
16) 1910034026 (well 25(old well 09)
17) 1910034030 (well 30 (old wPWC well 01D)
18) 1910034029 (well 29(old PWC well 01C)

100% of water is groundwater.
Twenty-one wells in operating system serve approximately 100,000 people. No well contributes greater than 40 percent to the system. Eighteen (18) of the 21 wells operated by the City of Downey are within 4 miles of the site.

CONTACT REPORT

AGENCY/AFFILIATION: Park Water Co. - Bellflower, Norwalk		CODE:
DEPARTMENT:		
ADDRESS: P.O. Box 7002	CITY: Downey	
COUNTY:	STATE: CA	ZIP:90241
CONTACT(S) Gary Lynch	TITLE General Manager	PHONE
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE:1/5/01
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating	EPA ID: CAD 095631719	

DISCUSSION:

The Park Water Company operates a blended drinking water system that consists of 4 wells that serve approximately 60,000 people. Currently, the Park Water Company obtains 20% of its drinking water from groundwater and 80% from surface water. No well contributes greater than 40 percent to the system. All 4 of the wells operated by the Park Water Company are within 4 miles of the site.

17

CONTACT REPORT

AGENCY/AFFILIATION: Norwalk - City, water dept.		CODE:
DEPARTMENT:		
ADDRESS: 12631 Imperial Highway	CITY: Santa Fe Springs	
COUNTY:	STATE: CA	ZIP:90670
CONTACT(S) Noel Ford	TITLE Utilities Supervisor	PHONE 562)929-5511
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE: 1/30/01
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating		EPA ID: CAD 095631719

DISCUSSION:

The City of Norwalk operates a drinking water system that consists of 2 wells that serve 15,345 people. Currently, Norwalk obtains 100% of its drinking water from groundwater. No well contributes greater than 40 percent to the system. All wells operated by the Norwalk are within 4 miles of the site.

CONTACT REPORT

AGENCY/AFFILIATION: Laurence McGee School		CODE:
DEPARTMENT:		
ADDRESS: 8200 Serapis	CITY: Pico Rivera	
COUNTY:	STATE: CA	ZIP:90660
CONTACT(S) Wanjiru Njuguna, Water Reserve District	TITLE representative	PHONE
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE:2/7/01
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating	EPA ID: CAD 095631719	

DISCUSSION:

Laurence McGee School operates a well that serves approximately 500 people. Currently, Laurence McGee School obtains all of its drinking water from groundwater. This well operated by the Laurence McGee School is within 4 miles of the site.

CONTACT REPORT

AGENCY/AFFILIATION: La Habra Heights - City, water dept.		CODE:
DEPARTMENT:		
ADDRESS: P.O. Box 628	CITY: La Habra Heights	
COUNTY:	STATE: CA	ZIP:90633
CONTACT(S) Anthony Zampiello	TITLE	PHONE 562)697-6769
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE:01/05/01
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating	EPA ID: CAD 095631719	

DISCUSSION:

The City of La Habra Heights (LHH) obtains 100% of its drinking water from groundwater. No well contributes greater than 40% to the system. All 4 of the wells operated by the LHH are within 4 miles of the site.

CONTACT REPORT

AGENCY/AFFILIATION: San Gabriel Valley Water Co. - El Monte		CODE:
DEPARTMENT:		
ADDRESS:P.O. Box 6010	CITY: El Monte	
COUNTY:	STATE: CA	ZIP:91734
CONTACT(S) Dan Arrighi	TITLE	PHONE 626) 448-6183
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE: 12/29/00
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating	EPA ID: CAD 095631719	

DISCUSSION:

The San Gabriel Valley Water Company operates a drinking water system that consists of 4 wells that serve approximately 153,000 people. Currently, the San Gabriel Valle Water Company obtains all of its drinking water from groundwater. No well contributes greater than 40 to the system. Two of the wells operated by the San Gabriel Valley Water Company are within 4 miles of the Site.

CONTACT REPORT

AGENCY/AFFILIATION: Bellflower - Somerset Mutual Water Company			CODE:
DEPARTMENT:			
ADDRESS: 10016 E. Flower	CITY:Bellflower		
COUNTY:	STATE: CA		ZIP:
CONTACT(S) Carl Wendall	TITLE	PHONE 562) 866-9980	
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE: 01/05/01	
SUBJECT: well and aquifer info			
SITE NAME: Continental Heat Treating		EPA ID: CAD 095631719	

DISCUSSION:

The Bellflower/Somerset Mutual Water Company operates a blended drinking water system that consists of 16 wells that serve approximately 25,000 people. They currently obtain 12% of the drinking water from groundwater and 78% from surface water. No well contributes greater than 40 percent to the system. One of the sixteen wells are within 4 miles of the site.

22

CONTACT REPORT

AGENCY/AFFILIATION: Pico- City, water dept.		CODE:
DEPARTMENT:		
ADDRESS: P.O. Box 758	CITY:Pico Rivera	
COUNTY:	STATE: CA	ZIP:90660
CONTACT(S) Joseph Dermody	TITLE	PHONE 562) 692-3756
DTSC PERSON MAKING CONTACT: Lori Parnass		DATE: 12/29/00
SUBJECT: well and aquifer info		
SITE NAME: Continental Heat Treating	EPA ID: CAD 095631719	

DISCUSSION:

The Pico Water District operates a blended drinking water system that consists of 7 wells that serve approximately 27,000 people. Currently, the Pico Water District obtains all of its drinking water from groundwater. No well contributes greater than 40 percent to the system. Two of the seven wells operated by the Pico Water District are within 4 miles of the site.

Well Id

1910125006 (well 05A)

1910125009 (well 08)

July 14, 1997

Greg Holmes, Unit Chief
Site Mitigation Cleanup Operations
Department of Toxic Substances Control
245 West Broadway, Suite 425
Long Beach, CA 90802-4444

Re: Continental Heat Treating, Inc.
10643 Norwalk Blvd.
Santa Fe Springs, CA 90670

Subject: Nonemergency Hazardous Substance Release Report

Dear Mr. Holmes;

Enclosed is the Nonemergency Hazardous Substance Release Report requested by your office.

If you have any questions or require any additional information please contact Bob Schneider at (909) 597-7024

Sincerely,

Dee Grams

Dee Grams

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
NONEMERGENCY HAZARDOUS SUBSTANCE RELEASE REPORT
(Health and Safety Code Section 25359.4)

State Use Only:
Regional Log #

I. RELEASE

A. **Release discovered on (date):** March 20, 1995 (See Attached Narrative)

Are any hazardous substances, as defined by Health and Safety Code Section 25316, currently spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment: Yes ____ No XX

B. **Have any hazardous substances, as defined by Health and Safety Code Section 25316, spilled, leaked, pumped, poured, emitted, emptied, discharged, injected, escaped, leached, dumped, or disposed into the environment:** Yes XX No ____

C. If you respond yes to A. or B., is/are the release(s) of a Reportable Quantity as established by Section 302.4 of Code of Federal Regulations: Yes XX No ____

Is/are the release(s) of a Reportable Quantity as defined by Health and Safety Code Section 25359.4 (c)(2): Yes XX No ____

Indicate date of each occurrence if known (indicate Reportable Quantity amount if applicable):
Date of release(s) is not known.

(Prepare separate report for each release)

D. Person Reporting: Dee Grams

Phone: (310) 944-8808

Association with site (e.g., owner, operator, business representative, other): Office Manager

E. Site Name: Continental Heat Treating, Inc.

Site Address: 10643 S. Norwalk Blvd.
Santa Fe Springs, CA 90670

Site Phone: (310) 944 - 8808

Mailing Address (if different than above): ____

City: ____ County: ____

Site Contact Person: Bob Schneider Phone (909) 597 - 7024

DEPARTM OF TOXIC SUBSTANCES CON L
NONEMERGENC AZARDOUS SUBSTANCE RELEASE REPORT
(Health and Safety Code Section 25359.4)

II. RELEASE SITE

A. Release Site: Pipeline ____ Shipyard ____ Road ____ Oilfield ____ Refinery ____ Railroad ____
Service Station ____ Residential ____ Vacant Lot ____ Industrial Plant (type) Heat Treating
Above-ground Tank ____ Underground Storage Tank ____ Other (describe) ____

B. What media do the contaminants affect: Air ____ Groundwater ____ Surface Water ____ Soil XX

Proximity to surface water, groundwater, wetlands or storm drains if known:
Ground water depth was determined to be 68' with contaminants found at 60 '. No surface water, wetlands or storm drains involved.

Surrounding area: Industrial XX Commercial XX Residential ____ Rural ____

Did the release occur near a school, residential area or other sensitive environment: Yes ____ No XX

Describe: The facility is located in an industrial, commercial area of Santa Fe Springs. (See Attached Figure 1, Site Location Map)

C. Describe (briefly) the major types of contaminants released or found at the site:
Trichloroethene and Tetrachloroethene

(Add additional pages as necessary)

Quantity/Volume Released: Estimated Release Quantity Attached at Figure 3

Extent of Contamination (approximate physical diameter of the contamination, e.g., 3 meters wide by 9 meters long): Contamination centered in an area approximately 48' in diameter based on a soil gas survey conducted.

Describe (briefly) the location(s) of the contaminants: Contaminants found beneath an area where a vapor degreaser had operated at the facility. The equipment was removed in 1995. (See Site Map at Figure 2.)

(Add additional pages and map as necessary)

D. Describe (briefly) how the contamination came to exist at the site (for example, were there past spills, landfill operations, industrial wastewater operations, industrial wastewater systems, underground storage tanks, deposition of fill material, etc): Contamination is believed to have been caused by the operation of a vapor degreaser.

(Add additional pages and map as necessary)

DEPARTME OF TOXIC SUBSTANCES CONT L
NONEMERGENCY HAZARDOUS SUBSTANCE RELEASE REPORT
(Health and Safety Code Section 25359.4)

III. SITE REMEDIATION

A. Has an environmental assessment been conducted: Yes XX No _____

Briefly describe results: Soil contamination found to a depth of 60' beneath the location where the vapor degreaser had operated. Soil gas and soil sampling showing contamination approximately in a 48' diameter.

(Add additional pages as necessary)

Assessment conducted by: Environmental Support Technologies, Inc.

Contact Person: Michael Tye

Phone number: (714) 457 - 9664

B. Was the release contained or remediated: Yes _____ No XX

Briefly describe any cleanup actions (i.e., capping, removal actions, groundwater pump and treat systems, etc): The degreaser and solvents that had been used in the degreaser have been removed from the facility to prevent any additional releases.

(Add additional pages as necessary)

C. If applicable, which phase(s) of the remediation process have been completed or are currently being performed:

- (X) Preliminary Assessment/ Site Investigation (PA/SI) or Preliminary Endangerment Assessment (PEA)
- ( ) Removal or Remedial Action
- ( ) Remedial Investigation Workplan
- ( ) Feasibility Report
- ( ) Remedial Action Plan
- ( ) Remedial Design
- ( ) Operation and Maintenance
- ( ) Other _____

D. Have you entered into any administrative/judicial orders and/or agreements: Yes _____ No XX

Date of order/agreement: See Attahced Narrative

Name of Agency: Los Angeles County Fire Department

Agency Contact: George Baker

Agency Phone (213) 890 - 4109

DEPARTM[illegible] OF TOXIC SUBSTANCES CON[illegible] L
NONEMERGENC[illegible] AZARDOUS SUBSTANCE RELEA[illegible] REPORT
(Health and Safety Code Section 25359.4)

IV. EMERGENCY ACTIONS

A. Was an emergency action taken: Yes ____ No XX See Attached Narrative

Did you report the release to any local agencies: Yes ____ No ____

If yes, what local agencies were notified: _____

B. Did you report the release to any State agencies: Yes ____ No XX See Attached Narrative

If yes, which one(s): _____

C. Were Proposition 65 notification(s) made: Yes ____ No XX

To what agency (include agency phone number): _____

Date Proposition 65 notification(s) were made: _____

V. SIGNATURE

To the best of my knowledge and belief, the information stated in this report is accurate and complete.

Dee Grams
(Signature of Preparer)

7-16-97
(Date Signed)

Dee Grams
(Typed or Printed Name)

Office Manager

Continental Heat Treating, Inc.
10643 S. Norwalk Blvd.
Santa Fe Spring, CA 90670

July 14, 1997

Supporting Narrative

Non-emergency Hazardous Substance Release Report

Section 1. Release

A. The discover date identified is the date of a Site Investigation Report prepared for the facility. The investigation was initiated in 1994 at the request the Los Angeles County Fire Department. A Work Plan was approved by that agency in Nov. 1994 which outlined the scope of the investigation. The results of this investigation confirmed the presence of a release which was reported to the Los Angeles County Fire Department.

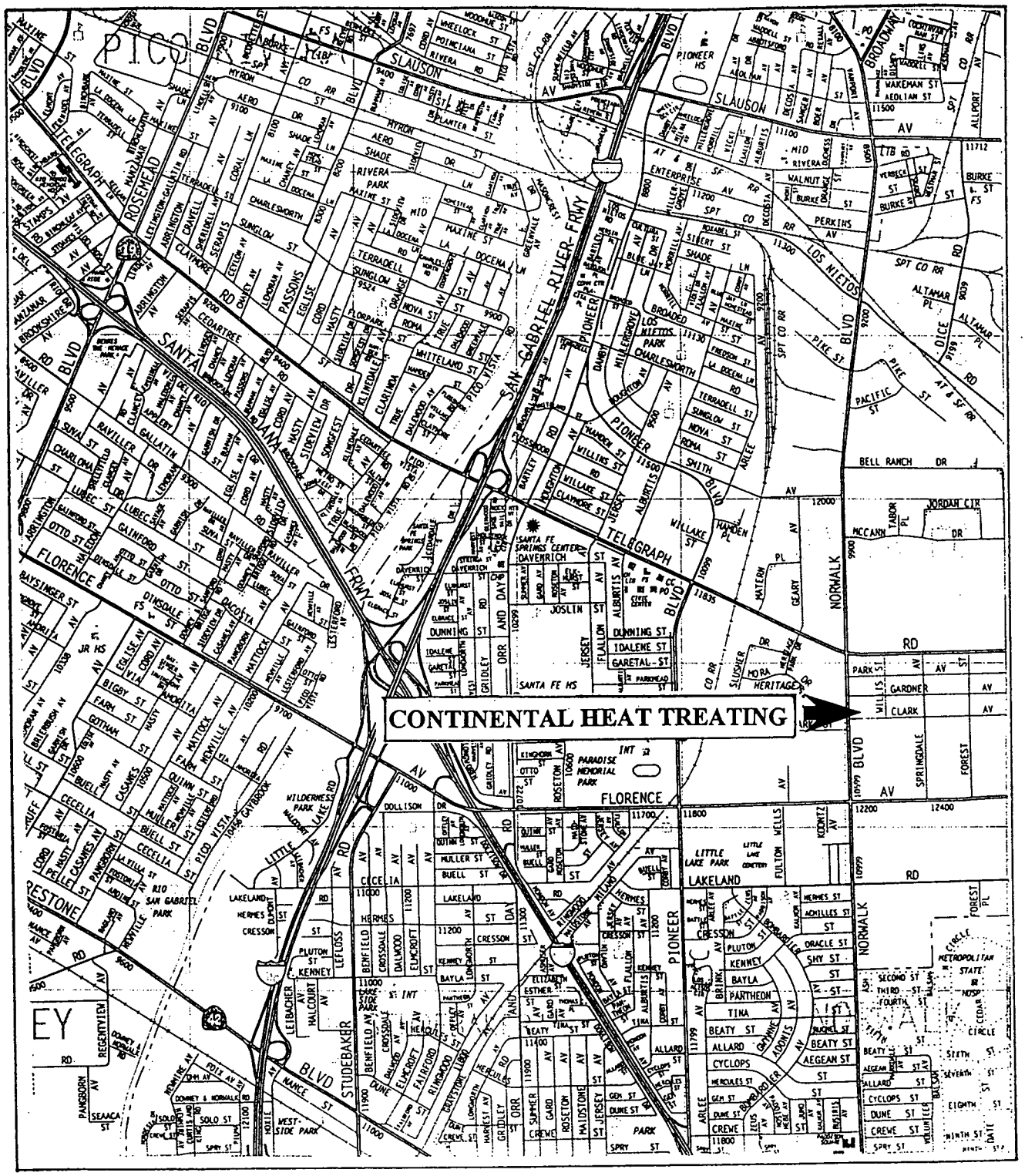
Section III. Site Remediation

D. The investigation that has been conducted was initiated at the request of the Los Angeles County Fire Department which was the oversight agency. As of July 1, 1997 the responsibility for oversight has transferred to Santa Fe Springs Certified Unified Program Agency. Continental Heat Treating, Inc. will continue to work with the responsible oversight agency to resolve the issues related to this release.

Section IV. Emergency Action

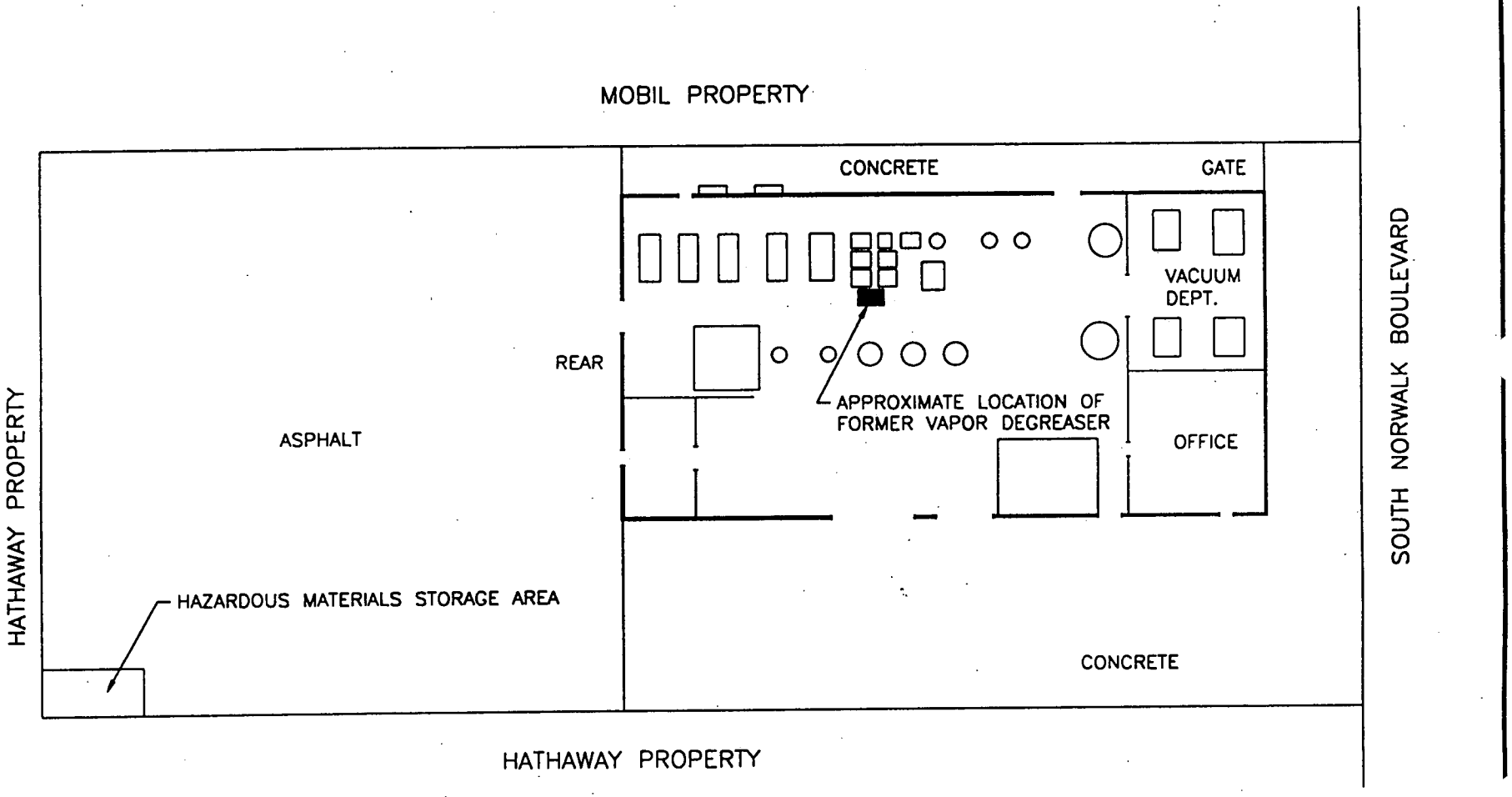
A. The discovery of the release was not during the event and did not involve emergency actions.

B. The results of the Site Investigation Report and Site Assessment Report were reported to the Los Angeles County Fire Department.



Source of Map: Thomas Bros., L.A. County, 1992

FIGURE 1
SITE LOCATION MAP
CONTINENTAL HEAT TREATING
SITE ASSESSMENT REPORT
EST1315



0 25 50

APPROXIMATE SCALE IN FEET

EXPLANATION

FURNACES

FURNACES

FIGURE 2

SITE MAP

CONTINENTAL HEAT TREATING, INC.
10643 SOUTH NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
EST1315 / REMEDIAL INVESTIGATION WORK PLAN
DRAWN BY: JST SCALE: AS SHOWN DATE: 9-27-1996

EST1315.DWG

Figure 3

Continental Heat Treating

10643 S. Norwalk Blvd.
Santa Fe Springs, CA 90670

Estimated Release Quantity

Area of contamination is estimated to be approximately in a 48' by 48' diameter to a depth of 60'. For purposes of calculation a 48' X 48' X 60' area was assumed.

Calculations; 5120 yds of soil at 1.35 tons per yd.
1224 kg per yd = total of 6,266,880 kg.

Lab Report 4/4/97

	PCE ug/kg	TCE ug/kg	Sample Depth In Feet	
	40	20	5	
	31	10	10	
	110	17	15	
	42	14	20	
	29	7	25	
	50	9	60	
	8	0	35	
	16	3	40	
	27	4	45	
	5	0	50	
	5	0	55	
	130	8	60	
Total	493	92		
Average	41	8		
Ave. Value See Note	21	4		
	128732160	24023040	ug/kg total	
	128.73	24.02	Converted to Kg	
	2.20462	2.20462	lb per kg.	
	284	53	lbs of release	

Note: Average value assumes highest concentration at center point to 0 at 24 ft from center.

NATION-WIDE
ALL AMERICA CITY
AWARD WINNER

Fire Department
CITY OF SANTA FE SPRINGS

HEADQUARTERS FIRE STATION · (562) 944-9713 · FAX (562) 941-1817
11300 GREENSTONE AVE. · SANTA FE SPRINGS 90670-4619

February 11, 1998

Mr. Greg Holmes, Unit Chief
Site Mitigation Operations
Southern California Branch A
State Department of Toxic Substances Control
245 W. Broadway, Suite 350
Long Beach, CA 90802-4444

Dear Mr. Holmes:

SUBJECT: CONTINENTAL HEAT TREAT, 10643 S. NORWALK BOULEVARD, SANTA FE SPRINGS, CA 90670

"JALK FEE"/MOBIL LEASE SITE, IMMEDIATELY NORTH OF THE CONTINENTAL HEAT TREAT SITE, SANTA FE SPRINGS, CA 90670

The Santa Fe Springs Fire Department (SFSFD) has completed a preliminary review of data regarding both of the subject sites. Based on this review, the SFSFD has determined that halogenated volatile organic compound (HVOC) and other contamination is present on both of these sites, either in or constituting a significant threat to groundwater, as well as at levels exceeding soil contamination action levels. Cross-parcel soil contamination from the Jalk Fee site appears likely.

There appears to be a need for further assessment to determine the lateral and vertical extent of the contamination. Also, HVOC contamination above the MCL's in microgram quantities is demonstrated in groundwater beneath the Continental Heat Treat facility likely due to historic releases from a former degreasing tank.

In a recent telephone conversation, Steve Chase of the SFSFD discussed these sites with Mr. Joe Cully of your staff, and advised him that referral of these sites to your agency appeared to be appropriate. The sites have also been discussed with a representative of the Los Angeles Regional Water Quality Control Board.

Based on our review of the known data, the SFSFD is therefore referring these sites to your agency for appropriate action. The SFSFD finds reason for great concern regarding actual and potential groundwater threats and high levels of soil contamination posing a potential threat to public health of the citizens of City of Santa Fe Springs as well as in the larger community and asks that your agency expedite all necessary corrective action.

The SFSFD has enclosed a summary of the known data for your convenience, and requests that you keep this agency informed of your actions at these sites.

Should you have any questions about this matter, please contact Steve Chase of this office. He can be reached at (562) 944-9713.

Sincerely,

NORBERT P. SCHNABEL, FIRE CHIEF

David R. Klunk,
Director of Environmental Services

DK/sc

c: Mr. Dennis Dickerson, Executive Officer, Los Angeles Regional Water Quality Control Board, 101 Centre Plaza Drive, Monterey Park, CA 91754

Mr. James Stull, Continental Heat Treating Inc., 10643 S. Norwalk Blvd., Santa Fe Springs, CA 90670

Mr. Chris Welsh, Property Manager, 2130 Santiago Drive, Newport Beach , CA 92660

Mr. Tom Walker
Mobil Exploration and Producing U.S. Inc.
10735 S. Shoemaker Ave., Santa Fe Springs, CA 90670

Discussion of the Continental Heat Treat Contamination
February 2, 1998

There is demonstrated HVOC contamination on the Continental Heat Treat (CHT) site, but much greater HVOC contamination on the "Jalk Fee" (JF) site to the north. Some of the levels of PCE contamination on the JF site are in %'s. Assessment and mitigation of the contamination needs to be approached on a multi-parcel basis.

On the CHT side, this contamination was primarily PCE and was is clearly demonstrated around the site of the former degreaser which was centrally located inside the plant. The levels are in ug/Kg, maximum 130 ug/Kg in from an HSA soil sample @ 60' bgs. Soil samples were analyzed by EPA Method 8021.

Soil gas studies by EST using EPA method 8010/8020 also indicate PCE levels to approx. 3000 ug/Kg @ 15' on the west end of an oval-shaped laterally-contaminated area centered around the area of the former degreaser. On the east end of this zone, PCE is approximately 2000 ug/Kg @ 35' bgs. This is based on PCE conc'n in ug/Kg being approx. 1.4 X soil gas (SG) conc'ns in ug/L. These levels are under soil contamination action levels, but constitute a threat to groundwater (GW). 1st GW is approx. 65' bgs. Lithology is reported as including sandy silts, tight silty clays from 20' to 35' bgs, sandy silts , and silty clays again around 50' bgs, then medium sands to GW.

Examining the soil boring data, PCE conc'n seems to relatively constant at around 40 ug/Kg to 40' bgs, and trails off to 5 ug/Kg to 55' bgs, and jumps to 130 ug/Kg @ 60' bgs, and is accompanied by the appearance of toluene @ 6.5 ug/Kg. Since this is near 1st GW, and these are SG measurements, there is a possibility of contaminated GW from off-site having introduced detectable amounts of PCE and toluene to the CHT vadose zone. GW gradients in this area are generally expected to be from NE to SW, or generally from the north property line diagonally to the south.

Soil gas data around the CHT site shows the oval-shaped laterally contaminated zone, and probable PCE PCE levels from approx. 1100 ug/Kg @ 35' bgs to around 3000 ug/Kg @ 15' bgs, tending to have increased significantly with depth. Products such as vinyl chloride at 55 ug/L Kg @ 15' bgs, and cis-1,2 DCE at 124 ug/L @ 15', and t-1,2 DCE at 27 ug/L @ 15' bgs , along with the PCE contamination indicate historic PCE (and TCE) contamination. TCE was found at 156 ug/L @ 35' bgs. These findings were all in the oval-shaped area around the former degreaser.

Other soil gas sampling shows minimal PCE contamination on the rest of the CHT site, except for "SG-14" taken on the NW end of the site. At "SG-14", there was over 41,000 ug/Kg (41mg/Kg) ! of PCE indicated @ 15' bgs. Site visit indicated that this SG location is around 10' from the property line, near the CHT H2 and N2 AST's, and no apparent source of PCE contamination on the CHT site.

In conversations with Chris Welsh (CT), representing the Anne Hathaway Trust, which owns the land leased by CHT, CT showed the SFSFD site assessment data regarding the Hathaway property to the north, referred to as the "Mobil lease" or the "Jalk Fee (JF)" site, as it is known to the RWQCB. This data included maps by McLaren-Hart in 1994 prepared from soil borings, trenching , and "Geoprobe" methods.

These data clearly show extremely high concentrations of PCE in three locations of the JF site. One of these locations is "GP-15" with PCE at 27,000 mg/Kg (27,000,000 ug/Kg) , or approximately 3 % approximately 10' north of the CHT property line, and north of the "SG-14" location of EST. This data for "GP-15" shows the maximum PCE of 27,000 mg/Kg @ 10' bgs, which then reduces to only 0.25 mg/Kg @ 15' bgs, and 0.39 mg/Kg (390 ug/Kg) @ 48' bgs. This indicates lateral contamination of the CHT site from a PCE release on the JF side.

In an "exploratory test pit" "T9A-1a" approx 10' north of the CHT site, and possibly 100' laterally NW from the former degreaser, PCE at 2500 mg/Kg was found, in a 4' bgs sample. The sampling method is not clear. If this were a " bucket" or "jar" sample, much higher levels of PCE were possible. SG sampling by EST on the CHT side in this approximate area @ 5' and 21' bgs indicates no significant PCE on the CHT side.

In another area of the JF site, roughly 75' north of the NW corner of the CHT plant wall, the north rear of the plant, "GP-6" showed 55,000 mg/Kg (approx. 5%) PCE @ 15', but decreasing to only 22 ug./Kg @ 20' bgs. This finding as well as the other data indicates a high degree of PCE attenuation by soils.

The McLaren-Hart data refers to "tight, dry, clayey silt" approximately 15 to 20' bgs across the site. The , boring log for the EST soil boring CHT-B1, to around 68' bgs, refers to "silty clay, light brownish-grey, well sorted, very dense, moist" from 15' to 35' bgs. The blow count @ 15' was 110, and @ 20' bgs was 105, reducing to 67 at 35' bgs, with "brown silt" to 45' bgs, and then more silty clay and clayey silt to 60' bgs, with blow counts in the 60's, and medium sands @ 65' and 68' bgs.

The demonstrated presence of sand at deeper depths indicates a potential for relatively rapid movement of GW across the site. The GW gradient is not clear. Also, the indicated clay/sily soil may not be continuous and could "leak" permitting easy vertical as well as lateral migration of HVOC;s and other contamination at depth. Therefore adequate characterization of significant cross-parcel PCE contamination could only be assessed by careful sampling of soils at all levels to 1st GW.

Boring CHT-B1 was completed as a SV well with nested probes @ 50' and 60' bgs, and as a SVE well to 45' bgs, not as a GW monitoring well. The well is plainly visible on the floor of the CHT shop. According to CHT's owner, James Stull, it has not been sampled since its installation.

On the JF side, significant concentrations of cis-1,2-DCE were reported at "GP-6" and the pit "T9A-1a" along with the elevated PCE, but no significant cis-1,2 –DCE was reported at "GP-15". These data indicate that the release at "GP-15" is relatively more recent.

"TRPH" is an issue on the JF site, and was found at a maximum of 27,000 mg/Kg at "GP-1", close to the CHT fence, slightly west of the west end of the CHT building. The nature of the "TRPH" is not clear. It could be BTEX (8020), TPH to some 8015M standard, 418.1, or other.

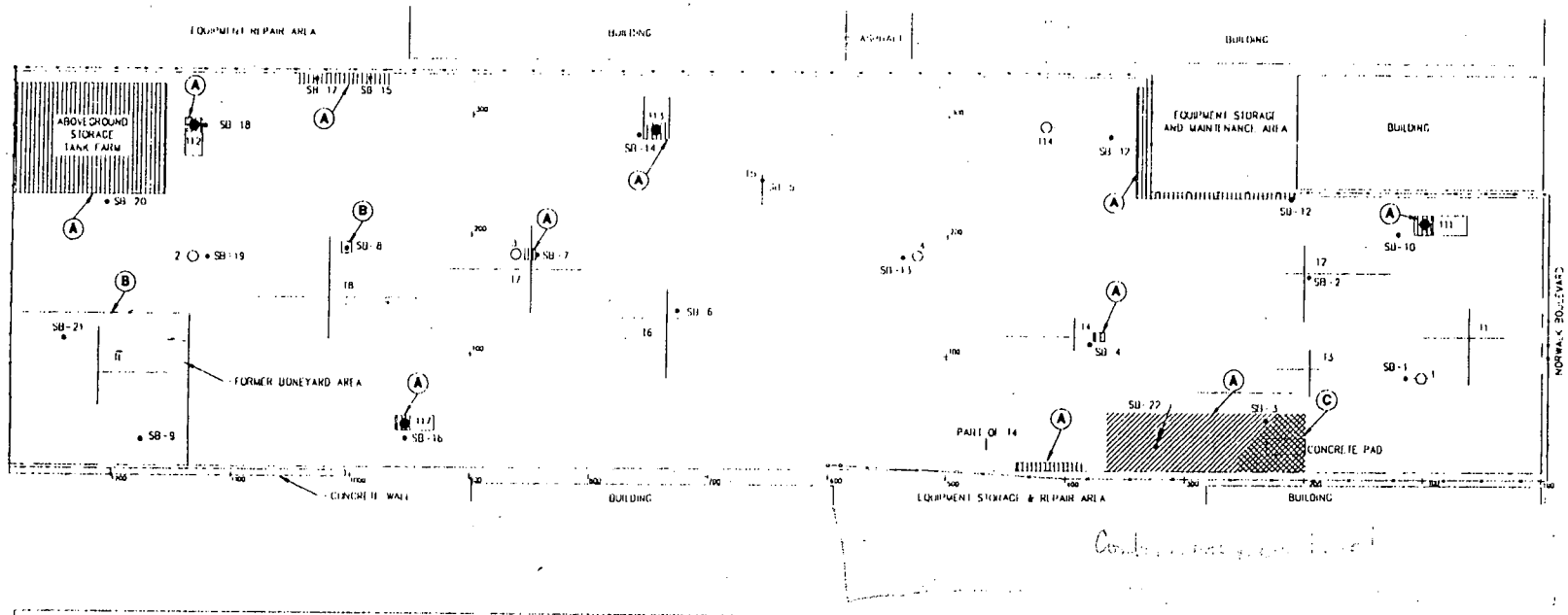
While PCE attenuation by clay soils is clearly indicated, the levels indicated on the JF site are well above recognized soil contamination action levels, and are a likely threat to public health and the environment at some time. Daughter products of PCE, and TCE, such as vinyl chloride, are at least as potentially dangerous.

A risk assessment based on presently-known contamination would probably report a relatively low shorter-term risk to GW or public health from the enormously high PCE levels in shallow soils at JF because of the lithological features, proximity to GW wells, and so on, and in fact the relative short-term risk of the known GW PCE contamination would likely be presented as greater. However, I feel it is unwise of the City of Santa Fe Springs to permit these extremely high levels of PCE to remain at the JF site. PCE is classified as a known carcinogen, and only degrades very slowly, and in time these concentrations will likely present a risk to the citizens of the City and the entire area through GW and/or other pathways, from PCE itself, and/or its daughter products.

Conclusion :

Since the SFSFD has insufficient authority at the present time to direct further site assessment or mitigation at the JF site, the shallow JF site soil contamination and known CHT soil contamination should be referred to the State Department of Toxic Substances Control (DTSC). The obvious threats to GW as well as known GW contamination should be referred again to the RWQCB. It was referred previously by the LA Co HMMD Site Mitigation Unit in June, 1997. It should be made clear that the SFSFD considers this PCE contamination to be a multi-parcel issue requiring a coordinated approach from the PRP's on the CHT and the JF sides.

The SFSFD should request immediate action to eliminate current and future risks to the public health including through GW pathways , as well as GW itself, from the known extremely high levels of PCE on the JF site. Such action will likely require soil removal and use of appropriate SVE other mitigation technologies as needed to control GW contamination from either of these sites.



Continued on next sheet

LEGEND

- 18 ——— APPROXIMATE LOCATION OF EXPLORATORY TEST PIT
- SB-16 • SOIL BORING
- 117 ● OPERATIONAL OIL WELL
- 3 ○ ABANDONED OIL WELL
- APPROXIMATE LOCATION OF FORMER ABOVEGROUND STORAGE TANK FARM (BASED ON HISTORIC AERIAL PHOTOGRAPHS)
- 900 + SURVEYED MEASURED INTERVALS (100 FOOT)
- CHAIN LINK FENCE
- GATE
- APPROXIMATE AREAS WHERE TPH > 1,000 PPM
- LEAD > STLC (5 PPM)
- PCE AFFECTED SOIL (INCLUDING TPH > 1,000 PPM)

(A) APPROXIMATE AREAS OF PCE-AFFECTED SOILS ABOVE TYPICAL ACTION LEVELS (1,000 PPM TPH) REQUIRING REMEDIATION

(B) APPROXIMATE AREAS OF LEAD IN SOILS EXCEEDING STLC LIMITS

(C) APPROXIMATE AREA OF PCE-AFFECTED SOILS

NOTES: SITE MAP MODIFIED FROM LEVINE FRICKE (1991b)
ALL AREA APPROXIMATIONS ARE BASED ON ANALYTICAL RESULTS
AREA ESTIMATIONS CONCERNING ACTIVE OIL WELLS AND EXISTING TANK FARM ARE BASED ON VISUAL OBSERVATIONS FROM LEVINE FRICKE (1990b)

N

0 100'

SCALE

MCLAREN/Hart

FIGURE 2
SITE LAYOUT
JALK LEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CA

DRAWING NUMBER
C9401005

Cal/EPA

Department of
Toxic Substances
Control

1011 N. Grandview Avenue
Glendale, CA 91201

December 23, 1996

Pete Wilson
Governor

James M. Strock
Secretary for
Environmental
Protection

Mr. Tom M. Walker
Mobil Exploration & Producing
U.S., Inc.
10735 South Shoemaker Avenue
Santa Fe Springs, CA 90670

Dear Mr. Walker:

MOBIL - JALK FEE PROPERTY, 10607 NORWALK BLVD., SANTA FE SPRINGS DOCKET NO. HSA 94/95-024

The Department of Toxic Substances Control (DTSC) has reviewed the submitted reports titled: Preliminary Endangerment Assessment (PEA) Equivalent by McLaren/Hart, dated September 9, 1996 and the Subsurface Soil Investigation by Levine-Fricke, dated December 6, 1991. These reports were submitted to document the hazardous substance characterization and cleanup actions taken at the subject Site. The Site known as the Jalk Fee Property is located at: 10607 Norwalk Boulevard, Santa Fe Springs, California. More specifically, the Site is defined as the 150 foot by 150 foot area of the property formerly known as the "boneyard". The "boneyard" is located in the southwestern corner of the 8.8 acre property. The Site is that small portion of the entire property identified by the Los Angeles County Tax Assessor as Parcel 008, Map No. 025, Book 8009. DTSC did not participate in the development of the workplans for these studies and did not provide field oversight of their implementation.

Pursuant to the information provided, the Site has been used as a gas production site. The reports indicate that soil sampling and analysis were conducted for the chemicals of concern: heavy metals (e.g. lead) and volatile organic compounds (e.g. perchloroethylene).

The contaminant concentrations present at the Site were evaluated pursuant to the PEA screening risk

assessment and determined not to pose a threat to human health and the environment under a residential land use scenario.

Based upon DTSC's evaluation of the reports submitted, the Site does not appear to pose a threat to human health or the environment under a residential land use scenario. Please note that this determination only applies to the 150 foot X 150 foot section of the site known as the "boneyard". Therefore, DTSC determines that no further action is necessary with respect to investigation and remediation of hazardous substances at the "boneyard". As with any real property, if previously unidentified contamination is discovered at the Site, additional assessment, investigation and/or cleanup may be required.

If you have any questions regarding this determination, please contact Lori Parnass at (818) 551-2856 or me at (818) 551-2876.

Sincerely,

Hamid Saebfar, Chief
Site Mitigation Cleanup Operations
Southern California Branch A

JUN 27 1996

McLaren Hart®

ENVIRONMENTAL ENGINEERING CORPORATION

June 25, 1996

Lori Parnass
Project Manager
Department of Toxic Substances Control
Region 3
1011 N. Grandview Avenue
Glendale, CA 91201

RE: PROJECT STATUS FOR THE MOBIL - JALK FEE PROPERTY LEAD ISSUE (MCLAREN/HART PROJECT # 03.0601081.001.001)

Dear Ms. Parnass:

This letter is to inform the Department of Toxic Substances Control (DTSC) of the current project status of the Mobil - Jalk Fee property lead issue. Mobil has indicated they want a "No Further Action" (NFA) letter from the DTSC concerning the lead issue at the Mobil - Jalk Fee property. As indicated during our phone conversation on June 14, 1996, the DTSC requires a Preliminary Endangerment Assessment (PEA) be completed before the DTSC will provide any form of notification. At this time, Mobil requests to amend their existing PEA Agreement with the DTSC, dated February 17, 1995, to specifically cover only the 200 feet by 200 feet portion of the Jalk Fee property located in the southwest corner of the site. Mobil understands that by restricting the PEA to cover only the southwest corner of the site, the NFA letter concerning the lead issue would only apply for that specific portion of the site.

The chemicals of concern in the southwest portion of the site consist of only inorganic lead. According to the DTSC's PEA Guidance Document (p.2-19, section 8), the hazard to human health from lead has been determined through the Office of Scientific Affairs (OSA). The OSA has established that levels of inorganic lead concentrations less than 130 parts per million (ppm) in soil constitute acceptable human health risk. All soil >130 ppm has been excavated and transported off-site to La Paz County Landfill (a BFI, Inc. landfill) in Parker, Arizona. Since the potential hazard from lead no longer exists, portions of the PEA Guidance Document will not be applicable and will be noted as such.

G:\M\MOBIL\0601081\DTSC3.LTR

Finally, due to the safety concerns, Mobil intends to initiate backfilling and compaction activities as soon as possible. McLaren/Hart has scheduled these activities to commence the week of July 8, 1996. Please notify us of a date and time, prior to July 8, which would be convenient for you to observe the excavation and review the data collected to date.

McLaren/Hart appreciates your attention to this project. If you have any questions regarding this issue, please contact Tabb Bubier at (714)-752-3204 or Everett Ferguson at (714) 752-3213.

Sincerely,

Tabb Bubier
Supervising Geoscientist

Everett Ferguson Jr.
Associate Geoscientist

cc: Manny Galaviz, Mobil

G:\M\MOBIL\060108\1\DTSC3.LTR

19130098 MOBIL OIL/JALK FEE
10607 NORWALK BOULEVARD
SANTA FE SPRINGS CA 90670

Region 3
County LOS ANGELES
Branch SOUTHERN CA. - A

Status: 12/23/1996 - NO FURTHER ACTION FOR DTSC
Lead: DEPT OF TOXIC SUBSTANCES CONTROL
Type: VOLUNTARY CLEANUP PROGRAM
NPL: N/A
Tier: Oversight Reimbursement: N/A
Cortese: Hazard Ranking Score:
Senior: SAMIREBR Staff: LPARNASS
SIC: OIL & GAS EXTRACTION
Assembly District: 58 Senate District: 30

*** COMMITMENT INFORMATION ***

Act	Desc	Original Commitment	New/Revise Commitment	Date Completed
SS		/ /	/ /	10/28/1993
ORDER	VCP	/ /	/ /	03/06/1995
PEA	VCP	/ /	/ /	12/23/1996

*** IDENTIFICATION INFORMATION ***

RWQCB Region: LOS ANGELES
File Name: MOBIL OIL CORPORATION

Associated IDs:

Alternate Names:
JALK FEE PROPERTY
MOBIL FOUNDATION, INC.

Alternate Addrs:

Lat/Long:
Method:
Description:

*** SPECIAL CHARACTERISTICS ***

GW CONTAMINATION SUSPECTED 0 SOURCES

*** OPERATIONAL METHODS ***

19130098 MOBIL OIL/JALK FEE
10607 NORWALK BOULEVARD
SANTA FE SPRINGS CA 90670

Region 3
County LOS ANGELES
Branch SOUTHERN CA. - A

INJECTION WELL
STORAGE
TREATMENT
GENERATOR

*** POTENTIAL/CONFIRMED HAZARDOUS WASTES ***

HALOGENATED ORGANIC COMPOUNDS
MERCURY
LEAD
CONTAMINATED SOIL
OTHER ORGANIC SOLIDS
ORGANIC SOLIDS WITH HALOGENS
UNSPECIFIED ORGANIC LIQUID MIXTURE
ORGANIC LIQUIDS WITH METALS
ORGANIC LIQUIDS (NONSOLVENTS) WITH HALOGENS
UNSPECIFIED OIL CONTAINING WASTE
WASTE OIL & MIXED OIL
UNSPECIFIED SOLVENT MIXTURES
HYDROCARBON SOLVENTS
OXYGENATED SOLVENTS
HALOGENATED SOLVENTS

*** SITE SPECIFIC DESCRIPTION ***

L.A. County Tax Assessor parcel 008, map 025, book 8009, area 150 ft X 150 ft. Soil at the site is contaminated with crude oil, heavy metals (Pb, Zn, Hg), and chlorinated hydrocarbons (PCE, TCE, and 1,2-DCE) at levels exceeding regulatory limits.

*** CURRENT AND PLANNED SITE ACTIVITIES ***

The Preliminary Endangerment Assessment Report has been submitted. Revisions are pending.

*** PROJECT COMPLETION ESTIMATES ***

*** COMMENTS ***

10/28/1993
The Department received a notification from PRP alleged that the site's soil contamination originated from an off-site source, Continental Heat Treating, Inc.. Soil at the site

19130098 MOBIL OIL/JALK FEE
10607 NORWALK BOULEVARD
SANTA FE SPRINGS CA 90670

Region 3
County LOS ANGELES
Branch SOUTHERN CA. - A

---

is contaminated with crude oil; heavy metals such as lead, mercury, and zinc; and chlorinated hydrocarbons such as PCE, TCE, and 1,2-DCE. Sample results indicate that the concentration of these contaminants exceeding regulatory limits. Due to the evidence of contamination onsite, the Department recommends a PEA.

03/31/1994
Remedial Action Plan submitted to the Department.

07/01/1994
Negotiation for a Voluntary Cleanup Agreement is on progress.

02/15/1995
Tom Walker (310) 903-2725, 3 separate sites:
1) crude oil - RWQCB lead
2) heavy metal/lead - PEA with DTSC, in negotiations
3) PCE - LACFDHHMD lead, determining if Continental Heat Treating is PRP, in process

03/06/1995
The Department entered into a Preliminary Endangerment Assessment Agreement for the "Jalk Fee Property".

12/23/1996
The PEA Equivalent documented characterization and cleanup conducted between 1991 and 1996. DTSC determined that based on the data presented, "no further action" is required on the "Boneyard" Mobile/Jalk Fee Site, and the hazardous materials remaining do not constitute a threat to human health or the environment.

25

From: [illegible] [illegible] Date and time [illegible]
To: [illegible]

FROM: Joe Cully
Subject: Continental [illegible]

[illegible] discussion about the [illegible] report [illegible] [illegible] to contact the [illegible] when we were first asked to check this site, [illegible] by contractors with [illegible]. However [illegible] contaminants [illegible] due to a neighboring site, and [illegible] [illegible] the City at this time and, [illegible] [illegible] we have to do something about [illegible].

[illegible] said that [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] facility [illegible] [illegible] the edges of the [illegible] [illegible] [illegible] of current processes [illegible] [illegible] is [illegible] twenty-[illegible] [illegible] [illegible] there is a neighboring [illegible] [illegible] by the [illegible], [illegible] [illegible] for this [illegible] [illegible] [illegible] [illegible] [illegible]. He also has information that [illegible] [illegible] percent range.

Dr. Chase says that he is still trying to work on [illegible] [illegible] pose a threat to groundwater, he will refer this matter to [illegible]. He [illegible] know what, if anything, [illegible] is doing [illegible].

OUNTY OF LOS ANGEL_

FIRE DEPARTMENT

1320 NORTH EASTERN AVENUE
LOS ANGELES, CALIFORNIA 90063-3294

26

P. MICHAEL FREEMAN
FIRE CHIEF
FORESTER & FIRE WARDEN

Refer reply to:

HEALTH HAZARDOUS MATERIALS DIVISION
5825 Rickenbacker Rd
Commerce CA 90040-3027

May 27, 1997

James G. Stull, President
Continental Heat Treating, Inc.
10643 S. Norwalk Blvd.
Santa Fe Springs, CA 90670

Dear Mr. Stull:

SUBJECT: **CONTINENTAL HEAT TREATING, INC., 10743 SOUTH NORWALK BOULEVARD, SANTA FE SPRINGS, CA 90670**

This Department has completed a review of the report entitled "Site Assessment Report," dated May 6, 1997, submitted by your consultant, EST. This report documents probable tetrachloroethylene (PCE) contamination of first groundwater.

On-site groundwater was encountered at 68' below ground surface (bgs), with significant PCE-contamination still present at 60' bgs. Only one "non-detect" soil sample (at 65' bgs) is noted and the 68' bgs sample was not analyzed. Therefore, there is a lack of sufficient (usually a minimum 20') vertical clean earth interval/zone for volatile organic compounds (VOCs) above known groundwater.

Based on this data, it is evident that a groundwater monitoring well(s) installation is needed to determine the extent of suspected groundwater contamination and any subsequent remediation which may be required.

As previously discussed, your case file is presently being transferred to the new Certified Unified Program Agency (CUPA) of the Santa Fe Springs Fire Department (SFSFD). As of July 1, 1997, SFSFD will be the only local agency with hazardous material/waste enforcement authority in the city of Santa Fe Springs. Due to the likely impact of the above-mentioned releases to groundwaters of the state, site conditions are concurrently being referred to Cal/EPA agencies (Department of Toxic Substances Control [DTSC] and the Los Angeles Regional Water Quality Control Board [RWQCB]). It is expected that Board staff will review site data and issue site-specific assessment/mitigation orders.

If you have any questions, please feel free to call George Baker at (213) 890-4109.

Very truly yours,

THOMAS W. KLINGER, SUPERVISOR
SITE MITIGATION UNIT
HEALTH HAZARDOUS MATERIALS DIVISION

TK:gb

c: M. Tye, EST
D. Klunk, SFSFD
J. E. Ross, RWQCB
G. Holmes, DTSC

City of Santa Fe Springs • Certified Unified Program Agency

ACTIVITY DECLARATION

27

I. FACILITY IDENTIFICATION

FACILITY ID #	1	EPA ID # CAD053858296	2
DBA/FACILITY NAME Continental Heat Treating, Inc.			3
SITE ADDRESS 10643 S. Norwalk Blvd., Santa Fe Springs, CA 90670			104

II. ACTIVITIES DECLARATION

If your facility does any of the following activities: ▸ Submit Facility Information Form and any of the following applicable form(s)

Does Your Facility...		If Yes, Please Complete...
A. HAZARDOUS MATERIALS Have hazardous materials stored onsite (for any purpose) at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids stored in aboveground and underground storage tanks) ?	4 ☒YES ☐NO	▸ CHEMICAL DESCRIPTION FORM (OES Form 2731) ▸ CONSOLIDATED CONTINGENCY PLAN (format not included) ▸ TRAINING PLAN (format not included)
B. REGULATED SUBSTANCES (RS) Have Regulated Substances stored onsite (RS) at greater than the threshold planning quantities established by the California Accidental Release Prevention program (Cal/ARP) ?	5 ☒YES ☐NO	▸ CHEMICAL DESCRIPTION FORM (OES Form 2731) ▸ REGULATED SUBSTANCE REGISTRATION FORM (OES Form 2735.6) ▸ CONTINGENCY PLAN (format not included) ▸ TRAINING PLAN (format not included)
C. UNDERGROUND STORAGE TANKS 1. Own or operate underground storage tanks (UST) ? 2. Intend to upgrade existing or install new USTs ?	6 ☐YES ☒NO 7 ☐YES ☒NO	▸ UST FACILITY FORM ▸ UST TANK FORM (one per tank) ▸ UST INSTALLATION FORM (one per tank)
D. TANK CLOSURE / REMOVAL 1. Need to report closing a UST that held hazardous materials or waste? 2. Need to report the closing/removal of a tank that was itself classified as hazardous waste?	8 ☐YES ☒NO 9 ☐YES ☒NO	▸ UST TANK FORM (closure section-one per tank) ▸ UST CLOSURE FORM (format not included)
E. ABOVE GROUND PETROLEUM STORAGE TANKS (APSTs or ASTs) Own or operate ASTs above these thresholds; any tank capacity is greater than 650 gallons or the total capacity for the facility is greater than 1,320 gallons	10 ☐YES ☒NO	▸ No form is required at this time. However, if you answered yes, prepare and maintain an SPCC plan as part of your contingency plan to address oil spills and releases from the AST(s) at your facility."
F. HAZARDOUS WASTE: 1. Generate hazardous waste?	11 ☒YES ☐NO	▸ EPA ID number - provide on this page ▸ WASTE GENERATOR FORM (Santa Fe Springs)
2. Recycle more than 100 kg/mo of recyclable materials at the same location it was generated? 3. Recycle more than 100 kg/mo of recyclable materials at an offsite location different from the point of generation?	12 ☒YES ☐NO 13 ☐YES ☒NO	▸ RECYCLABLE MATERIALS FORM
4. Treat Hazardous Waste on site? 5. Subject to Financial Assurance Requirement?	☐YES ☒NO 14 ☐YES ☒NO 15	▸ TIERED PERMITTING FACILITY FORM ▸ TIERED PERMITTING UNIT FORM (one per unit) ▸ CERTIFICATION OF FINANCIAL ASSURANCE
6. Consolidate Hazardous Waste generated at a remote site?	16 ☐YES ☒NO	▸ REMOTE WASTE / CONSOLIDATION SITE NOTIFICATION FORM
G. INDUSTRIAL WASTE/RELEASE REPORT: 1. Store, treat, or discharge any liquid waste into the public sewer system or storm drains other than domestic waste water from restrooms ? 2. Are you aware of any hazardous material releases at your facility?	17 ☒YES ☐NO 18 ☒YES ☐NO	▸ Contact Santa Fe Springs Industrial Waste Engineer at 562-944-9713 to determine permit requirements. ▸ Submit a Preliminary Remediation Assessment if required by the Santa Fe Springs Fire Department.

OFFICIAL USE ONLY

DATE REC'D	HW	HM	ARP	AST	UST	TP	IW

28 SC
1/5/98

Rec'd for
Chris A. Webb
Real Estate Consultant
for Exxon
Newport Beach

Limited Subsurface Investigation

McLaren/Hart Project No. 03.0601382.000

Tetrachloroethylene (PCE) Impacted Soil at Mobil Jalk Fee Property Santa Fe Springs, California

November 15, 1994

Prepared for: **Mobil Exploration and Producing U.S. Inc.**
10735 South Shoemaker Avenue
Santa Fe Springs, California 90670

Prepared by: **McLaren/Hart Environmental Engineering Corporation**
16755 Von Karman Avenue
Irvine, California 92714-4918

Everett Ferguson, Jr.
Assistant Geoscientist

Tabb W. Bubier
Supervising Geoscientist

Hassan Amini, Ph.D., R.G.
Principal Geoscientist

Preliminary Assessment

Site:	Jalk Fee/Mobil Lease Property 10607 Norwalk Boulevard Santa Fe Springs, California 90670
Site EPA ID Number:	CA0 000 024 554
Work Assignment Number:	60-15-9J00, ARCSWEST Program
Submitted to:	Rachel Loftin Work Assignment Manager EPA Region IX
Date:	May 17, 1999
Prepared by:	Joseph Cully
Review and Concurrence:	Greg Holmes

30

Memorandum

To: 1. Ann Ficher 2. ISSI 3. B. Chertowsky, $Fund Rec. Ctr.
From: Rachel Loftin, SFD-5
Subject: Request for CERLCIS ID Number
Date: April 9, 1999
cc:

Attached is the following completed document:

PA _____ SI _____ Other SITE SCREEN / REQUEST CERCLIS ID

Site Name: Continental Heat Treating

EPA ID: CAD095631719 (Please RCRIS #)

City, County, State: Santa Fe Springs, LA, CA

For EPA Use Only

Latitude: _____ Longitude: _____

CERCLIS Data Changes: DS1 DATE = 5-1-98

EPA Decision: PA START DATE = PA PLANNED COMPLETE =

Archive Site: _____yes _____ no

Lead Agency: _____

Approval by Site Assessment Manager: RN Loftin

Sign Off Date: 4-9-99

Document Screening Coordinator: _____

Chief, States, Planning, and Assessment Office: _____

SOU COAST AIR QUALITY MANAGEMENT D ICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

page 1 31
Permit No.
F19534
A/N 319375

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

LEGAL OWNER
OR OPERATOR: CONTINENTAL HEAT TREATING CORP, DIV TOWE
10643 S NORWALK BLVD
SANTA FE SPRINGS, CA 90670-3821

ID 020017

02-26-

Equipment Location: 10643 S NORWALK BLVD, SANTA FE SPRINGS, CA 90670-3821

Equipment Description:

ANNEALING FURNACE, CUSTOM MADE, G.M. ENTERPRISES, RETORT TYPE, 6' DIA. X 6' H., WITH 10 NATURAL GAS FIRED BURNERS, ECLIPSE, MODEL 63 TA-C, EACH RATED AT 300,000 BTU PER HOUR.

Conditions:

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3) THE OPERATOR SHALL NOT USE THE FOLLOWING MATERIALS IN THIS EQUIPMENT:

METAL CONTAMINATED WITH RUBBER, PLASTIC, PAPER, RAGS, OIL, GREASE OR SMOKE PRODUCING MATERIAL

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

ORIGINAL

32

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workmon Mill Rood, Whittier, CA 90601-4998
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (310) 699-7411, FAX: (310) 695-6139

CHARLES W. CARRY
Chief Engineer and General Manager

January 6, 1993
File: 18-00.05-00/93-4827Z
Account No. 1436381

Mr. Tom Hall
City of Santa Fe Springs
11710 E. Telegraph Road
Santa Fe Springs, CA 90670

Dear Mr. Hall:

Industrial Wastewater Discharge Permit No. 4827

Continental Heat Treating
10643 S Norwalk Blvd.
Santa Fe Springs CA 90670

A recent inspection by a Districts' representative indicated that the subject company has installed a sample box conforming to the County Engineer Standard I-12. The aforementioned sample box is hereby designated as the legal sampling point for Continental Heat Treating. A drawing showing the location of the sample box is enclosed for your reference.

The approval of the sample box by the Districts does not exempt the subject company from any requirements imposed by the City of Santa Fe Springs. The company must still comply with all of your regulations which may involve obtaining a building permit or a plumbing permit through your agency.

If you have any questions concerning this letter, please contact Sue Zhu of the Sanitation Districts' Industrial Waste Section at extension 2956.

Very truly yours,

Charles W. Carry

John D. Kilgore
Supervising Civil Engineer

JDK:SZ
cc: Mr. Ray Cross
Continental Heat Treating

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TRANSMITTAL LIST
Continental Heat Treating

Mr. James G. Stull, President
Continental Heat Treating
10643 South Norwalk Boulevard
Santa Fe Springs, California

Dennis Dickerson
California Regional Water Quality Control Board, Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013